

Thermal Imager PSU

INSTALLATION GUIDE

PUBLICATION N° 815187

LANGUAGE: ENGLISH

ISSUE: 9

DATE: 12 AUGUST 2024



📌 Thermal Imaging Power Supply Unit with and without PoE+



LAND
AMETEK®



QUALITY CUSTOMER SOLUTIONS

Health and Safety Information



Read all of the instructions in this booklet - including all the **WARNINGS** and **CAUTIONS** - before using this product. If there is any instruction which you do not understand, **DO NOT USE THE PRODUCT.**

Safety Signs



WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or personal injury.



CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury to the user or users, or result in damage to the product or to property.

NOTE

Indicates a potentially hazardous situation which, if not avoided, could result in damage or loss of data.

Signs and Symbols used on equipment and Documentation



Caution, risk of electric shock.



Caution, attention to possibility of risk of damage to the product, process or surroundings. Refer to instruction manual.



Caution, hot surface.



Protective Conductor Terminal.



Observe precautions for handling electrostatic discharge sensitive devices.

Equipment Operation

Use of this instrument in a manner not specified by AMETEK Land may be hazardous. Read **and understand** the user documentation supplied **before** installing and operating the equipment.

The safety of any system incorporating this equipment is the responsibility of the assembler.

Protective Clothing, Face and Eye Protection

It is possible that this equipment is to be installed on, or near to, machinery or equipment operating at high temperatures and high pressures. Suitable protective clothing, along with face and eye protection must be worn. Refer to the health and safety guidelines for the machinery/equipment before installing this product. If in doubt, contact AMETEK Land.



Wear Protective Gloves



Wear Protective Clothing



Wear Eye Protection



Wear Ear Protection



Wear Safety Boots



Wear Face Protection

Electrical Power Supply

Before working on the electrical connections, all of the electrical power lines to the equipment must be isolated. All the electrical cables and signal cables must be connected exactly as indicated in these operating instructions. If in doubt, contact AMETEK Land.

Contact Us

UK - Dronfield

Land Instruments International

Tel: +44 (0) 1246 417691

China

AMETEK Land China Service

Tel: +86 21 5868 5111 ext 122

USA - Pittsburgh

AMETEK Land, Inc.

Tel: +1 412 826 4444

India

AMETEK Land India Service

Tel: +91 - 80 67823240

Email: land.enquiry@ametek.com

Web: www.ametek-land.com

For further details on all AMETEK Land offices, distributors and representatives, please visit our website.

Storage

The instrument should be stored in its packaging, in a dry sheltered area.

The maximum storage temperature is 10°C (18°F) higher than the maximum operating temperature.

The minimum storage temperature is 10°C (18°F) lower than the minimum operating temperature.

Refer to the Technical Specification for details of the operating temperature limits.

Unpacking

Check all packages for external signs of damage. Check the contents against the packing note.

Lifting Instructions

Where items are too heavy to be lifted manually, use suitably rated lifting equipment. Refer to the Technical Specification for weights. All lifting should be carried out in accordance with local and national regulations.

Return of Damaged Goods

IMPORTANT If any item has been damaged in transit, this should be reported to the carrier and to the supplier immediately. Damage caused in transit is the responsibility of the carrier not the supplier.

DO NOT RETURN a damaged instrument to the sender as the carrier will not then consider a claim. Save the packing with the damaged article for inspection by the carrier.

Return of Goods for Repair

If you need to return goods for repair please contact our Customer Service Department for details of the correct returns procedure.

Any item returned to AMETEK Land should be adequately packaged to prevent damage during transit.

You must include a written report of the problem together with your own name and contact information, address, telephone number, email address etc.

Design and Manufacturing Standards

The Quality Management System of Land Instruments International is approved to BS EN ISO 9001 for the design, manufacture and on-site servicing of combustion, environmental monitoring and non-contact temperature measuring instrumentation.

Registered ISO9001 Management System approvals apply in the USA.

UK Calibration Laboratory: UKAS 0034.

USA Calibration Laboratory: ANAB Accredited ISO/IEC 17025.

National Accreditation Board for Testing and Calibration Laboratories approvals apply in India.

Operation of radio transmitters, telephones or other electrical/electronic devices in close proximity to the equipment while the enclosure doors of the instrument or its peripherals are open, may cause interference and possible failure where the radiated emissions exceed the EMC directive.

The protection provided by this product may be invalidated if alterations or additions are made to the structural, electrical, mechanical, pneumatic, software or firmware components of this system. Such changes may also invalidate the standard terms of warranty.

Copyright

This manual is provided as an aid to owners of AMETEK Land's products and contains information proprietary to AMETEK Land. This manual may not, in whole or part, be copied, or reproduced without the expressed written consent of AMETEK Land.

Contents

| | | |
|---|------------------------|-----|
| 1 | Introduction | 1-1 |
| 2 | System Overview | 2-0 |
| | 2.1 Cable Conduits | 2-1 |
| | 2.2 Fibre Optic Option | 2-1 |
| 3 | Specification | 3-0 |
| 4 | Maintenance | 4-1 |
| 5 | Installation Diagrams | 5-0 |

1

INTRODUCTION

This document provides installation details for the following power supplies for AMETEK Land Thermal Imaging Camera Systems.

813478 Thermal Imager Power Supply

815177 Thermal Imager Power Supply with Power over Ethernet (PoE+)

Note

The equipment must be used, maintained and serviced by properly trained personnel, capable of following the procedures given in these instructions. Safety may be impaired if the system is not used as indicated.

It is important to check the equipment with which you have been supplied and then read these instructions thoroughly before proceeding with operation.

Compatibility

Do not connect PoE+ power to NIR or NIR-b imagers. Permanent damage will occur.

813478 Thermal Imager Power Supply

NIR camera
NIR-B borescope
MWIR SDS camera
MWIR camera
MWIR-B Borescope
LWIR camera

815177 Thermal Imager Power Supply with Power over Ethernet (PoE+)

MWIR SDS camera
MWIR camera
LWIR camera

2

SYSTEM OVERVIEW

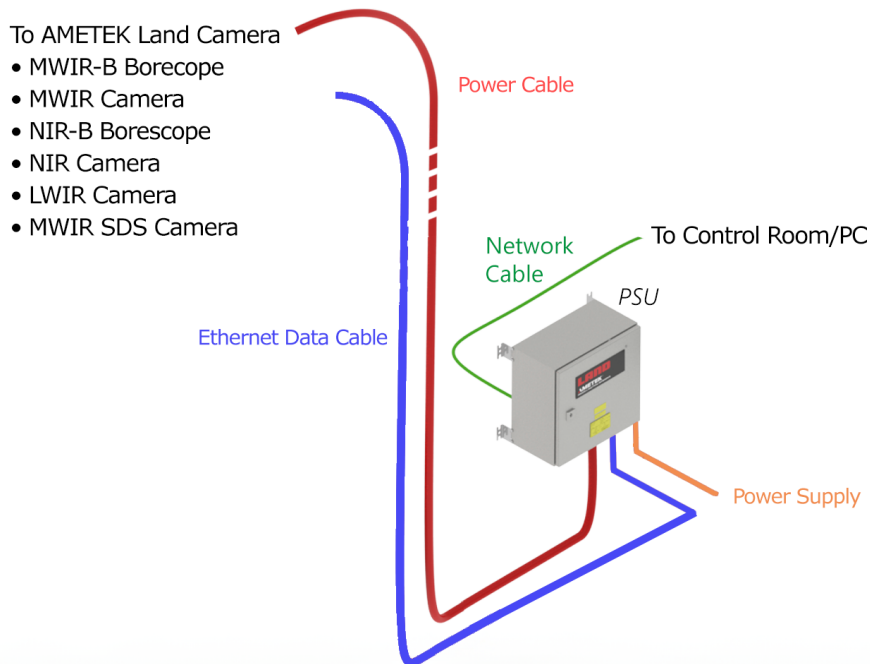


Fig. 2-1 813478 Thermal Imager Power Supply

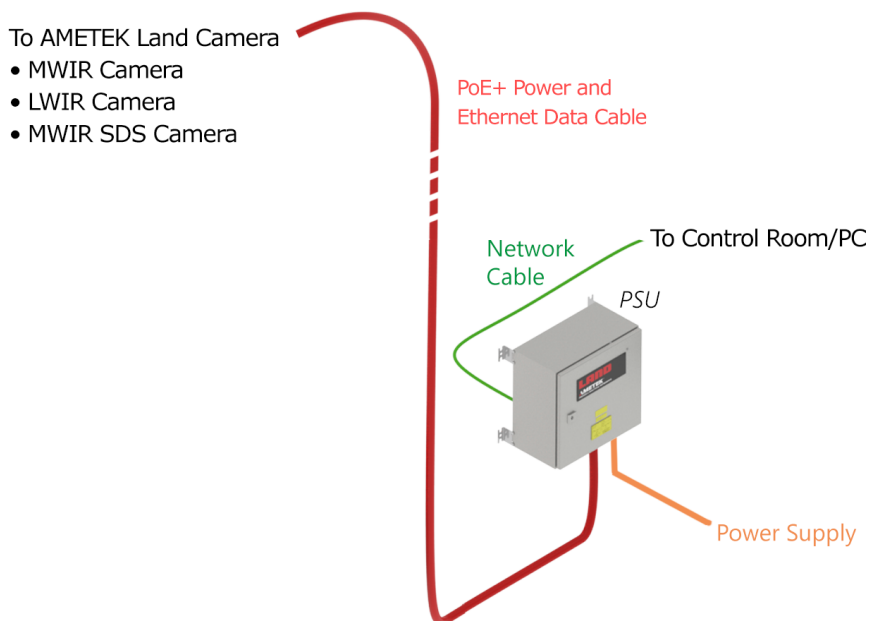


Fig. 2-2 815177 Thermal Imager Power Supply with Power over Ethernet (PoE+)

2.1 Cable Conduits

It is expected that the mains power input cabling for the Thermal Imager PSU will be used with conduit to be fitted by the user

MWIR SDS Systems are supplied with camera cable and conduit. (See fig 2.3)

Other camera cables can use the approved cable sealing gland system.

2.2 Fibre Optic Option

An optional fibre optic upgrade is available in both single- and multi-mode fibres.

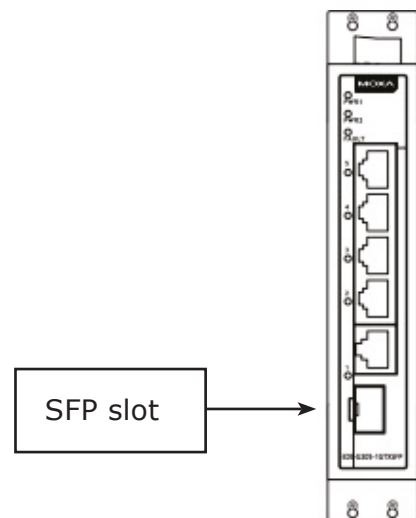
- 816671 Multi-mode fibre upgrade
- 816672 Single-mode fibre upgrade

Each option comprises an Ethernet switch for installation in the control room and two Ethernet SFP fibre modules with hot-pluggable LC duplex connectors. Optical fibres are not included.

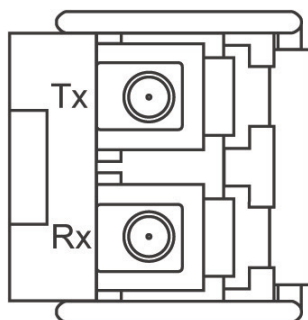
Simply plug one SFP module into the slot in power supply Ethernet switch and the other into the slot in the control room switch

The concept behind the LC port and cable is straightforward. Unlike electrical signals, optical signals do not require a circuit in order to transmit data. Consequently, one of the optical lines is used to transmit data from the power supply switch to the control room, and the other optical line is used to transmit data from the control room to the power supply switch, for full-duplex transmission.

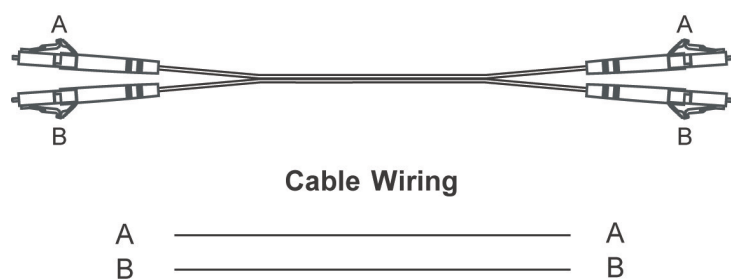
Remember to connect the Tx (transmit) port of one switch to the Rx (receive) port of the other. If you make your own cable, we suggest labeling the two sides of the same line with the same letter (A-to-A and B-to-B, as shown below).



LC-Port Pinouts



LC-Port to LC-Port Cable Wiring



3

SPECIFICATION

Thermal Imager Power Supply Unit

| | |
|----------------------------|--|
| Operating Temp Range: | CE: 0 to 50°C |
| Voltage range: | 100 to 240Vac |
| Frequency range: | 50 to 60Hz |
| Input current: | 2 A (at 115 V ac) |
| Max short circuit current: | 10kA |
| Sealing: | UL Type 4 with fitted Plain Gland Plate UL Type 5 Indoor Only with Populated Gland Plate 816231 |
| 24 V dc Fuse: | 2.5A T \geq 30V dc |
| Terminals 1-24: | Class 1 Control Circuit for Camera Connection 0.34 to 4 mm ² (22 to 12 AWG) Copper (Use Camera Cable) |
| Torque | 0.5-0.8 Nm (4.5-7.1 lb/in) |
| Mains Power Terminals: | 0.75 to 6 mm ² (18 to 10 AWG) Copper |
| Torque | 0.75 to 4 mm ² (18 to 12 AWG): 2.4Nm (21lb-in) 6 mm ² (10 AWG): 2.8Nm (25lb-in) |
| Protective Earth Terminal: | 0.75 to 6 mm ² (18 to 10 AWG) Copper |
| Torque | 1.0Nm (9lb-in) |

Notes

Protective Earth cable diameter must be equal to or larger than the power cable.
 Max conduit Size on Gland Plate 1.5 in
 Conduit fittings shall be at least Type 4
 Bonding of conduit connection must be provided at installation
 Isolation Switch must be provided externally Recomm
 Populated Gland Plate Assembly (816231) TYPE 5 for Indoor Use Only

815177 only

Power over Ethernet: IEEE 802.3at PoE+

4

MAINTENANCE

The body of the accessories and mountings can be cleaned by wiping with a clean cloth moistened with either water or a mild, neutral detergent.

DO NOT use alcohol, chemicals or abrasive cleaning products.

Hoses and pipes should also be checked for leaks, cracks, chaffing and other wear and tear.

5

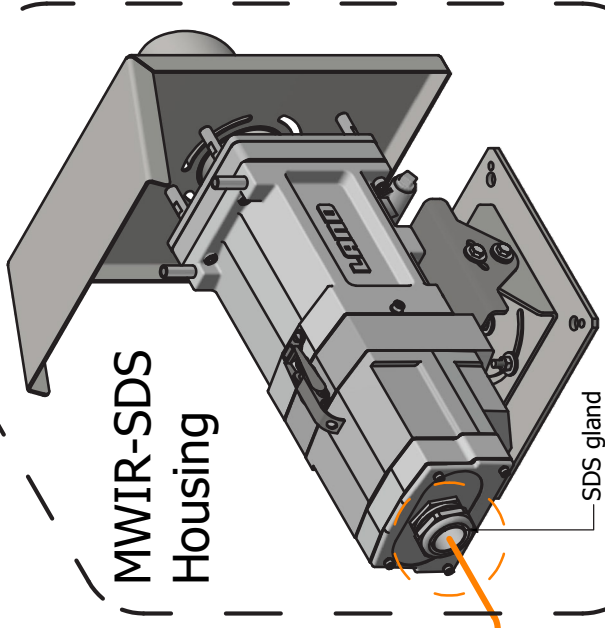
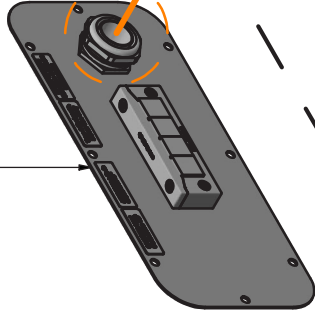
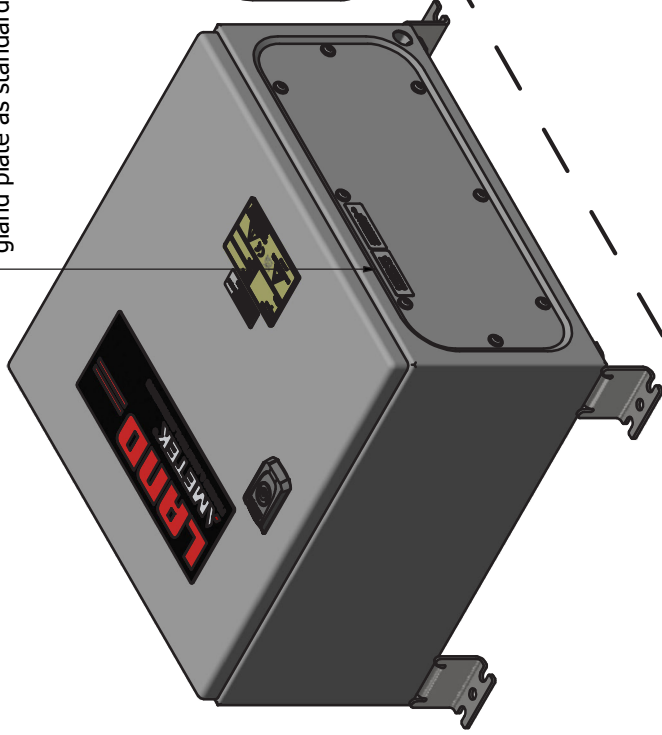
INSTALLATION DIAGRAMS

813478 / 815177 PSU

PSU fitted with blank gland plate as standard

Machined Gland Plate Supplied alongside with **SDS gland** Fitted

ICOTEK M32 Gland supplied bagged alongside



MWIR-SDS Housing

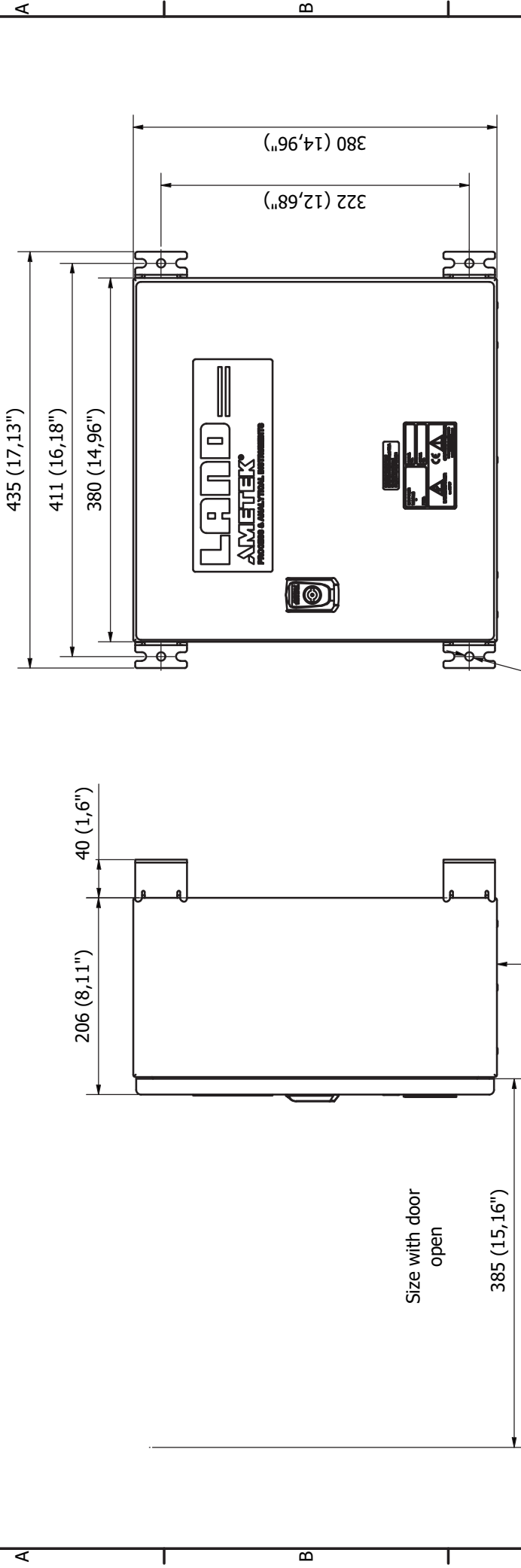
SDS gland fitted on Housing

813661 SDS Cable and Conduit Assembly

All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

| | | |
|---|---------------------------|-------------------|
| IF IN DOUBT ASK | PROJECTION | DOCUMENT TYPE |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 | | Standard Assembly |
| ISO 2768 - NA | | |
| SURFACE FINISH MATERIAL | ALL SHARP CORNERS REMOVED | |
| FINISH NA | | |
| DRG. TITLE Thermal Imaging PSU PoE+ Installation Drawing - Blank Gland Plate | | |
| THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF:- | | |
| | | |
| | | |
| PROCESS & ANALYTICAL INSTRUMENTS LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ | | |
| CREATOR | DATE | REVISION |
| D. Bramhall | 05/11/2021 | E |
| APPROVAL PERSON | SCALE | |
| A. Lyndon | 1 : 4 | |
| TECHNICAL REFERENCE | SHEET | |
| | 1 of 9 | |
| DRG.No | | |
| A3 | 740.124 | |

Mounting Dimensions



Size with door open

385 (15,16")

206 (8,11")

40 (1,6")

435 (17,13")

411 (16,18")

380 (14,96")

380 (14,96")

322 (12,68")

Mounting holes 4
off Ø9 (0,35")

PSU fitted with blank gland plate as standard.
Customer to machine and fit cable glands as required

TYPE 4 ENCLOSURE, PLAIN GLAND PLATE

All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

| | | |
|---|---------------------------|---------------------------|
| IF IN DOUBT ASK | PROJECTION | DOCUMENT TYPE |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 | | Standard Assembly |
| ISO 2768 - NA | ALL SHARP CORNERS REMOVED | CREATOR D. Bramhall |
| SURFACE FINISH MATERIAL | FINISH NA | DATE 05/11/2021 |
| | | APPROVAL PERSON A. Lyndon |
| | | SCALE 1 : 4 |
| | | TECHNICAL REFERENCE |
| | | DWG No. A3 740.124 |
| | | SHEET 2 of 9 |
| | | REVISION E |

0323 Thermal Imaging PSU

DRG. TITLE

Thermal Imaging PSU PoE+ Installation Drawing - Blank Gland Plate

THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF-

LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ

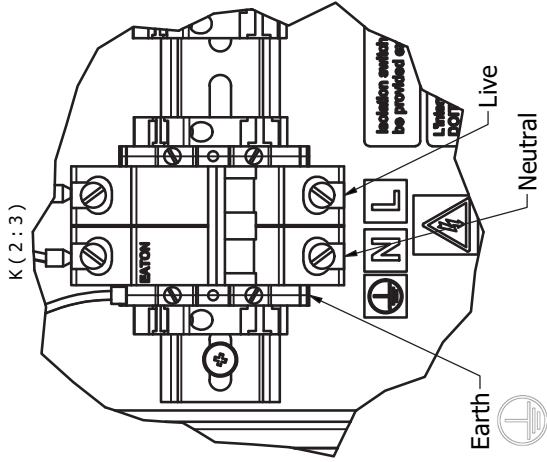
LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ

© 2021

PROCESS & ANALYTICAL INSTRUMENTS

LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ

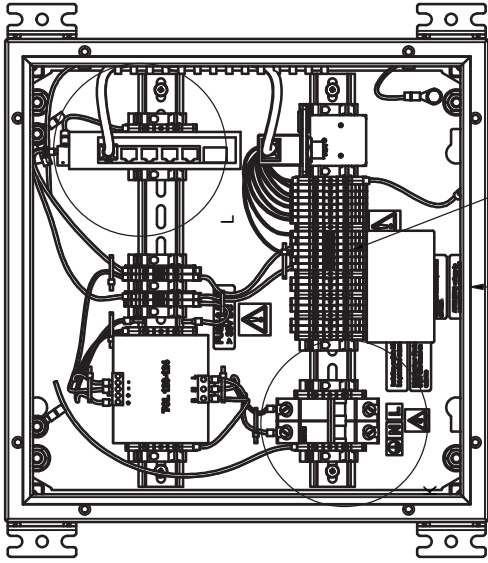
Layout (using plain gland plate)



[A] Mains Power IN
3 Core (1mm2 MIN)

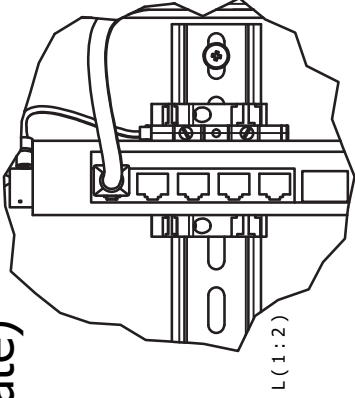
Isolation switch MUST be provided externally.

L'interrupteur d'isolation DOIT être fourni en externe.



CAUTION: Bonding of conduit connection must be provided at install.

ATTENTION: Collège du connexion de conduit doit être fourni à l'installation.



[B] Ethernet or Fibre Optic SFP module to I/O modules or process control PC
Cable CAT5E/ RJ45 connect to ports 2, 3, 4 or 5 or Fibre Optic SFP module connector to port 1 Tx Rx.

Fibre Modules;

816234 - Moxa SFP-1GSXLC 0,5Km LC connector
816236 - Moxa SFP-1GLXLC 10Km LC connector
Other modules available through ES request

Short Circuit Current Rating: 10kA

For Customer Connection and Imager Connection See Sheet 3 TYPE 4 ENCLOSURE, CUSTOMER MUST FIT TYPE 4 CONDUIT FITTINGS TO THE GLAND PLATE

Blank Gland Plate supplied for conduit fittings.
MAX Conduit Size 1.5"

All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

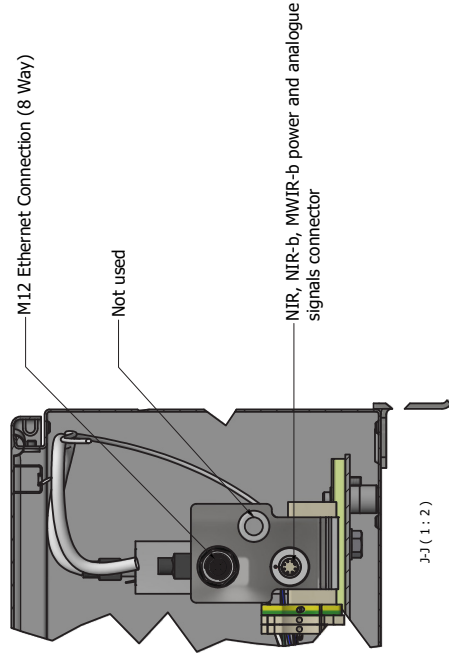
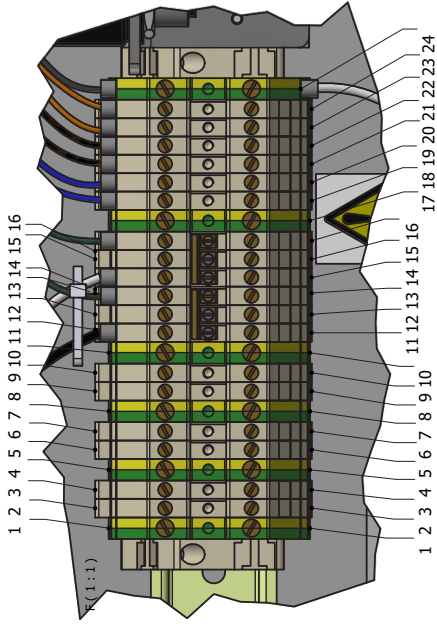
| | | |
|---|---------------------------|----------------------------------|
| IF IN DOUBT ASK | PROJECTION | DOCUMENT TYPE |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 | | Standard Assembly |
| ISO 2768 - NA | ALL SHARP CORNERS REMOVED | CREATOR B. Simpson |
| SURFACE FINISH MATERIAL | | DATE 05/11/2021 |
| FINISH NA | | APPROVAL PERSON A. Lyndon |
| | | SCALE 1 : 4 |
| | | TECHNICAL REFERENCE SHEET 3 of 9 |
| | | DRG.No. A3 |
| | | 740.124 |
| | | Revision E |
| DRG. TITLE Thermal Imaging PSU PoE+ Installation Drawing - Blank Gland Plate THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF:- LAND © 2021 AMETEK PROCESS & ANALYTICAL INSTRUMENTS LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ | | |

813478 non PoE

Electrical connection details

813478 Power Supply
Use with NIR, NIR-b, MWIR-b

IMPORTANT: Do not connect the NIR or NIR-b Ethernet port to PoE+ power. Permanent damage will occur



Customer Connections

| NIR-b, MWIR-b Customer Connections | |
|------------------------------------|--------------------------------------|
| Din Rail Position | Function |
| 24 | Screen |
| 23 | Lens Temperature Alarm Relay |
| 22 | Lens Temperature Alarm Relay |
| 21 | Lens Temperature Alarm Warning Relay |
| 20 | Lens Temperature Alarm Warning Relay |
| 19 | Lens Temperature 4 - 20mA - |
| 18 | Lens Temperature 4 - 20mA + |
| 17 | Screen |

All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

| | | | |
|--|---------------------------|---------------------------------|---|
| IF IN DOUBT ASK | PROJECTION | DOCUMENT TYPE | Standard Assembly |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 ISO 2768 - NA | ALL SHARP CORNERS REMOVED | ORIGINALLY USED ON PRODUCT TYPE | 0323 Thermal Imaging PSU |
| SURFACE FINISH MATERIAL | FINISH NA | DWG TITLE | 813478 Thermal Imaging Power Supply (non-PoE) |
| THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF: | | DESIGNER | D. Bramhall |
| | | APPROVAL PERSON | A. Lyndon |
| | | TECHNICAL REFERENCE | 1 : 4 |
| | | DWG SIZE | A2 |
| | | DWG NO | 740.124 |
| | | DATE | 05/11/2021 |
| | | SHEET | 4 of 9 |
| | | ROOM | E |

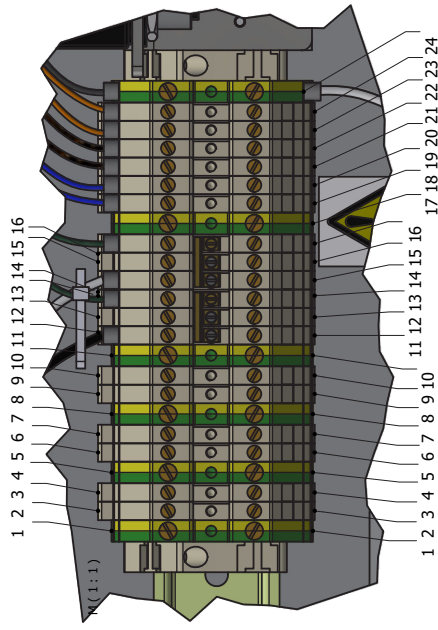
815177 PoE+

Electrical connection details

815177 Power Supply with PoE+
 Use with MWIR, LWIR, MWIR SDS Imager may be powered via PoE+ or discrete 24 V dc connections, No damage will occur if MWIR, LWIR or MWIR SDS are connected to both 24 V dc and PoE+.

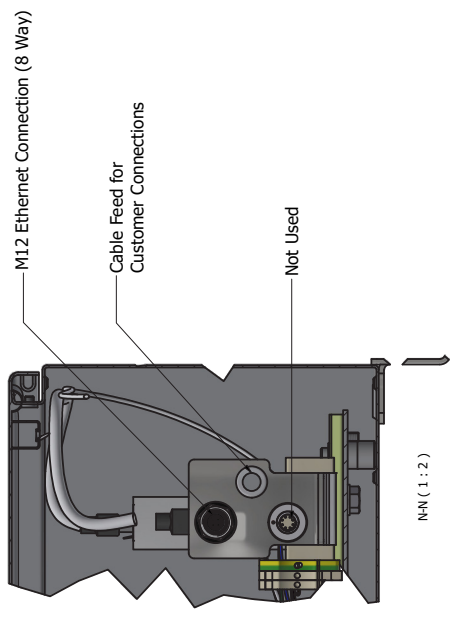
IMPORTANT: Do not connect the NIR or NIR-b to 815177 PoE+ power. Permanent damage will occur.

| MWIR, LWIR & MWIR SDS Cable Connections | | | | |
|---|-------------------------|--------------------|---------------------|---|
| Din Rail Conn | High Temp Cable (Black) | Function | Standard Temp Cable | High Temp Cable (Red Outer Sheath) Col Pair |
| 1 | N/C | | | |
| 2 | White | -mA01 | Blue | White 4 |
| 3 | Brown | +mA01 | Brown | Black 4 |
| 4 | N/C | | | |
| 5 | Green | -mA1 / TRG- / RLY2 | White | Green 3 |
| 6 | Yellow | +mA1 / TRG+ / RLY2 | Yellow | Black 3 |
| 7 | N/C | | | |
| 8 | Grey | -mA02 / RLY1 | Green | Black 2 |
| 9 | Pink | +mA02 / RLY1 | Purple | Blue 2 |
| 10 | Screen | | | |
| 11 | N/C | | | |
| 12 | Red | +24V | Red | Red 1 |
| 13 | N/C | | | |
| 14 | N/C | | | |
| 15 | Blue | 0V | Black | Black 1 |



Customer Connections

| LWIR & MWIR Customer Connections | |
|----------------------------------|--------------------|
| Din Rail Position | Function |
| 10 | Screen |
| 9 | +mA2 / RLY1 |
| 8 | -mA2 / RLY1 |
| 7 | Screen |
| 6 | +mA1 / TRG+ / RLY2 |
| 5 | -mA1 / TRG- / RLY2 |
| 4 | Screen |
| 3 | +mA1 |
| 2 | -mA1 |
| 1 | Screen |



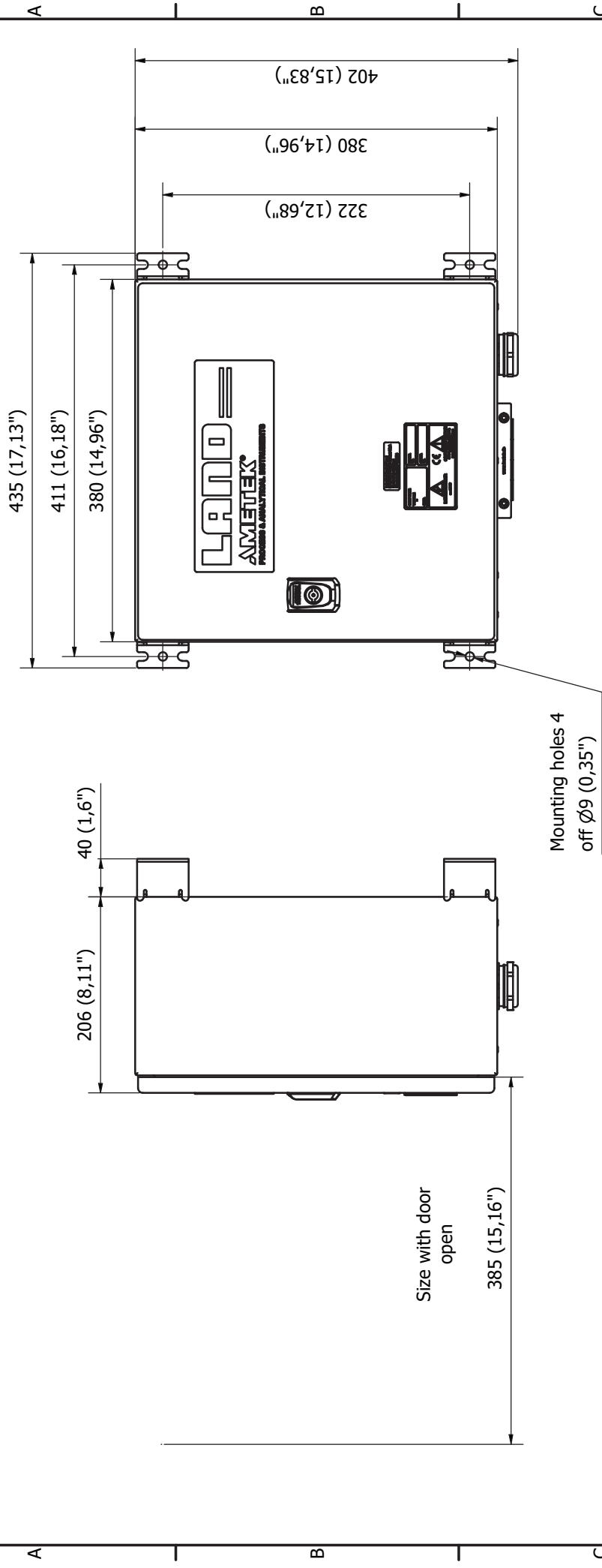
All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

| | | | | | |
|---|---------------------------|---|--------------------------|---------------|-------------------|
| PROJECTION | IF IN DOUBT ASK | ORIGINAL USED OR PRODUCT THE | 0323 Thermal Imaging PSU | DOCUMENT TYPE | Standard Assembly |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 | ISO 2768 - NA | 815177 Thermal Imaging Power Supply with PoE+ | DRG. TITLE | OPERATOR | D. Bramhall |
| SURFACE FINISH | ALL SHARP CORNERS REMOVED | THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF:- | APPROVAL PERSON | A. Lyndon | DATE |
| FINISH | INA | | TECHNICAL REFERENCE | | 05/11/2021 |
| | | | DRG. NO. | | SCALE |
| | | | REV. NO. | | I : 4 |
| | | | REV. NO. | | SHEET 5 of 9 |
| | | | REV. NO. | | REV. NO. |
| | | | REV. NO. | | A2 / 740.124 |
| | | | REV. NO. | | 8 |



PROCESS & ANALYTICAL INSTRUMENTS
 LAND INSTRUMENTS INTERNATIONAL LTD, DROMFIELD, S18 1DJ

Mounting Dimensions



**TYPE 5 ENCLOSURE,
(INDOOR USE ONLY)**

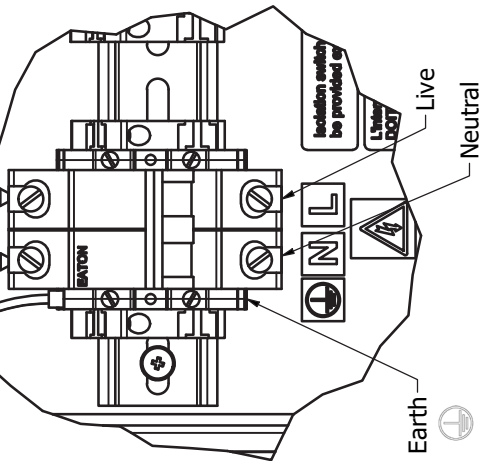
Using populated gland plate 816231

All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

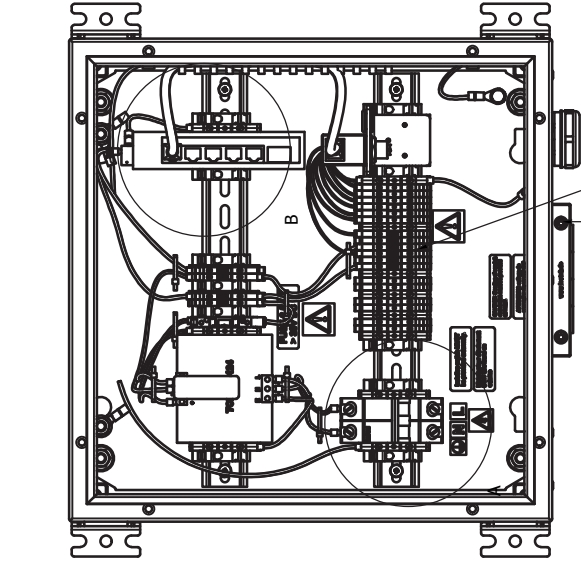
| | | |
|--|---|---------------------------------------|
| IF IN DOUBT ASK | PROJECTION | DOCUMENT TYPE Standard Assembly |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 | DRG. TITLE 0323 Thermal Imaging PSU | CREATOR D. Bramhall DATE 05/11/2021 |
| ISO 2768 - NA | THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF:- | APPROVAL PERSON A. Lyndon SCALE 1 : 4 |
| SURFACE FINISH MATERIAL ALL SHARP CORNERS REMOVED | | TECHNICAL REFERENCE SHEET 6 of 9 |
| FINISH NA | LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ | DRG.No 740.124 Revision E |

1 2 3 4 5 6

Layout (using populated gland plate 816231)



[A] Mains Power IN
3 Core (1mm² MIN)
Isolation switch MUST
be provided externally.
L'interrupteur d'isolation DOIT
être fourni en externe.



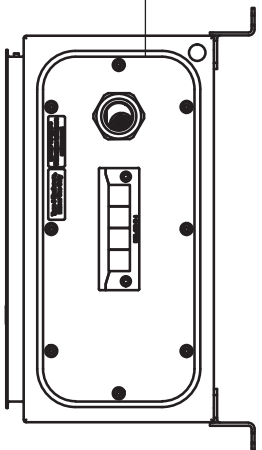
[B] Ethernet or Fibre Optic SFP module to I/O modules or
process control PC Cable CAT5E/ RJ45 connect to ports 2,
3, 4 or 5 or Fibre Fibre Optic SFP module connector to port
Tx Rx.

Fibre Modules:
816234 - Moxa SFP-1GSXLC 0,5Km LC connector
816236 - Moxa SFP-1GLXLC 10Km LC connector
Other modules available through ES request

Short Circuit Current Rating: 10kA

**For Customer Connection and
Imager Connection See Sheet 3**

TYPE 5 Enclosure, INDOOR USE ONLY



All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

| | | |
|---|---------------------------|------------------------------|
| IF IN DOUBT ASK | PROTECTION | DOCUMENT TYPE |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 | | Standard Assembly |
| ISO 2768 - NA | ALL SHARP CORNERS REMOVED | CREATOR D. Bramhall |
| SURFACE FINISH MATERIAL | FINISH NA | APPROVAL PERSON A. Lyndon |
| | | TECHNICAL REFERENCE |
| | | DATE 05/11/2021 |
| | | SCALE 1 : 4 |
| | | SHEET 7 of 9 |
| | | DRG No. A3 740.124 |
| | | REVISION E |

Thermal Imaging PSU PoE+ Installation Drawing - Populated Gland Plate

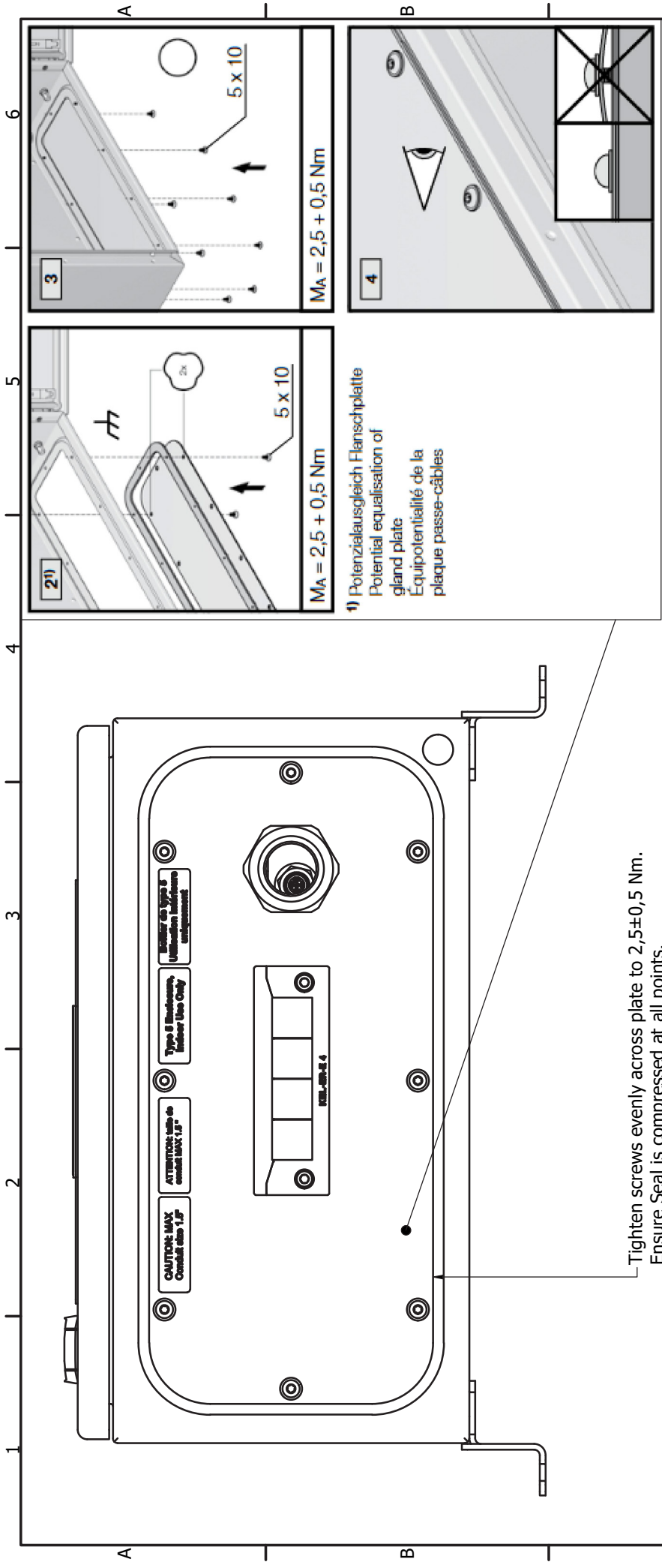
THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT
WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF-



PROCESS & ANALYTICAL INSTRUMENTS
LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ

A B C D

1 2 3 4 5 6



Fitting Populated Gland Plate 816231

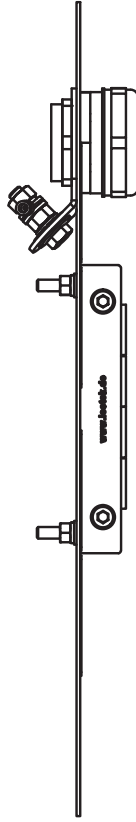
TYPE 5 Enclosure, INDOOR USE ONLY

All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

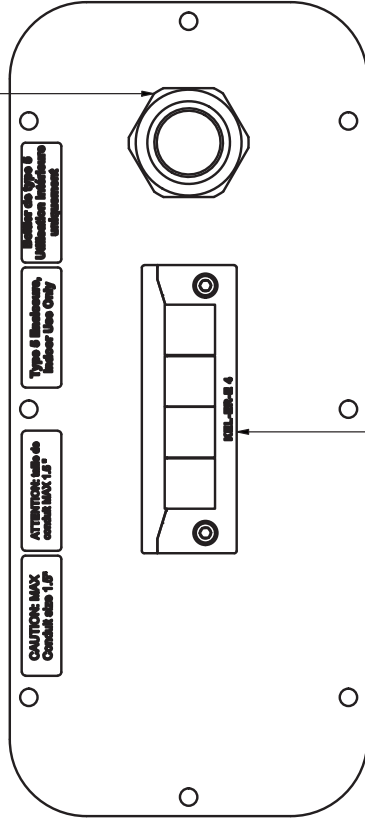
| | | | |
|---|---------------------------|---|--|
| IF IN DOUBT ASK | PROJECTION | DOCUMENT TYPE | Design Engineering |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 | | ORIGINALLY USED ON PRODUCT TYPE | 0323 Thermal Imaging PSU |
| ISO 2768 - c L | ALL SHARP CORNERS REMOVED | DRG. TITLE | Thermal Imaging PSU PoE+Installation Drawing - Populated Gland Plate |
| SURFACE FINISH MATERIAL | FINISH | THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF:- | CREATOR B.Simpson DATE |
| | | LAND © 2023 | APPROVAL PERSON A. Lyndon SCALE 1 : 2 |
| | | AMETEK | TECHNICAL REFERENCE SHEET 8 of 9 |
| | | PROCESS & ANALYTICAL INSTRUMENTS | DRG.No. 740.124 Revision E |
| | | LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ | |

Populated Gland plate with SDS
conduit fitting

TYPE 5 Enclosure, INDOOR USE ONLY



Gland plate fitted with
SDS Anaconda conduit as standard



Icotek 4 x wide cable entry
for customer connections

CAUTION: MAX
Conduit Size 1.5"

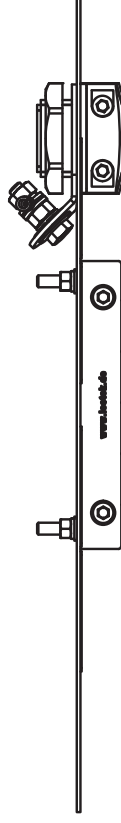
ATTENTION: cable size
conduit MAX 1.5"

Type 5 Enclosures,
Indoor Use Only

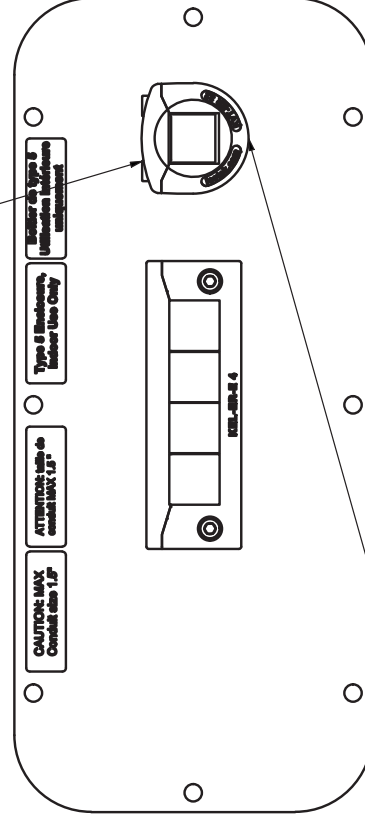
Remove all Type 5
Utilisation Instructions
and Warnings

Populated Gland plate with Conduit
blanking plug

TYPE 5 Enclosure, INDOOR USE ONLY



SDS anaconda conduit can be removed and
replaced by Icotek M32 without additional machining



Icotek M32 cable gland supplied
alongside populated gland plate.
Can be swapped out for SDS conduit

CAUTION: MAX
Conduit Size 1.5"

ATTENTION: cable size
conduit MAX 1.5"

Type 5 Enclosures,
Indoor Use Only

Remove all Type 5
Utilisation Instructions
and Warnings

All Materials and Finishes to be RoHS Compliant to Directive 2011/65/EU & (EU) 2015/863

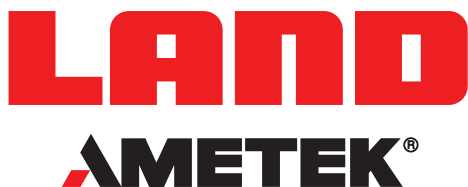
| | | |
|---|---------------------------|---|
| IF IN DOUBT ASK | PROJECTION | DOCUMENT TYPE |
| CONFORMS TO BS 8888 TOLERANCING ISO 8015 ISO 2768 - | ALL SHARP CORNERS REMOVED | Design Engineering |
| SURFACE FINISH | MATERIAL | DRG. TITLE |
| FINISH | | 0323 Thermal Imaging PSU |
| | | ORIGINALLY USED ON PRODUCT TYPE |
| | | Thermal Imaging PSU PoE+ Installation Drawing - Populated Gland Plate |
| | | CREATOR B. Simpson DATE 29/09/23 |
| | | APPROVAL PERSON A. Lyndon SCALE 1 : 2 |
| | | TECHNICAL REFERENCE SHEET 9 of 9 |
| | | DRG. SIZE A3 DRG. NO. 740.124 REVISION E |

THIS DRAWING MUST NOT BE COPIED OR USED OTHER THAN FOR THE PURPOSE OR WHICH IT
WAS ISSUED WITHOUT THE WRITTEN PERMISSION OF-



AMETEK
PROCESS & ANALYTICAL INSTRUMENTS
LAND INSTRUMENTS INTERNATIONAL LTD, DRONFIELD, S18 1DJ

THERMAL IMAGING SYSTEMS



CONTACT US



www.ametek-land.com



land.enquiry@ametek.com



AMETEK Land's AMECare Performance Services ensure peak performance and maximum return on investment over the life of your equipment.

We deliver this by:

- Proactively maintaining your equipment to maximize availability.
- Optimizing solutions to meet your unique applications.
- Enhancing user skills by providing access to product and application experts.

AMETEK Land's global service network provides unparalleled after-sales services to ensure you get the best performance and value from your AMETEK Land products. Our dedicated service centre teams and on-site engineers are trained to deliver the highest standard of commissioning, maintenance and after-sales support.

Our worldwide network of Service Centres includes:

UNITED KINGDOM | USA | UAE | ITALY | INDIA | GERMANY | CHINA

WWW.AMETEK-LAND.COM/SERVICES

For a full list of international offices, please visit our website www.ametek-land.com

Copyright © 2024 LAND Instruments International.

Continuous product development may make it necessary to change these details without notice.

Thermal Imaging PSU Installation Guide, Issue 9, 12 Aug 2024