Inner Range Powered Equipment Enclosure. P/N: 995204NA10. Wiring Diagrams

CAUTION! FOR CONTINUED PROTECTION AGAINST THE RISK OF FIRE, REPLACE WITH ONLY THE SAME TYPE AND RATING OF FUSE.
NOTE: Most Fuses in Inner Range products are Self-Resetting or Not User Serviceable. Refer to appropriate Installation Manual for details.

DISCONNECT POWER BEFORE REPLACING THE FUSE OR SERVICING.

Do Not Connect The Power Cord To A Receptacle Controlled By A Switch.

If an Earth Wire is fitted to the cover, ensure it is re-connected to the earth lug on the chassis when refitting the cover following service.

UL Listed products (North America)

- Connect outputs to power limited sources only.
- All interconnecting devices and batteries must be UL Listed.
- 0.25in (6.5mm) spacing must be maintained between Power-limited and Non Power-limited circuits.
- Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), local codes, and the authorities having jurisdiction.

Additional Installation Instructions & Specifications for products that can be installed in this enclosure are found in the following documents:

Integriti:		Intelligent LAN Access Module.	636018
Controller (ISC/IAC)	636001 / 636035	Standard LAN Access Module.	636012
Programming Reference.	636001P	8-32 Zone LAN Expander.	636005
Software Handbook.	636901P	UniBus 2-Door Expander	636535
Inception:		UniBus 8-Zone Expander	636500
Controller	636300	UniBus 8-Relay Expander	636515
LAN Installation Guide.	636300LAN	UniBus 2-Port UART	636520
Quickstart Guide	636300QS	UniBus 16-Floor Lift Interface	636540
Power Supplies, Expansion & Peripherals:		Mini LAN Hub	635915
10A PFC Smart PSU	636095	LAN Ethernet Bridge	996088

10A PFC Smart Power Supply Specifications.

Input:	110 to 240V AC +10%/-11% / 50/60Hz +/-5% / 2.0A Max.
Input Fuse Rating (F1)	T2.5A / 250V~ NOT User Serviceable. Return unit to supplier for repair.
Output Voltage:	13.75V DC up to 10A.
Maximum O/P Current.	P2 & T3 loads combined: 8.0A continuous maximum. Battery Charger: 2.0A nominal. 2.5A max. if total P2/T3 load is 7.5A or less.

NOTE: When running from the AC Supply, the total of all long-term loads (including battery charging) must not exceed 10.0 Amps. Short-term loads of up to 12A are supported by drawing current from the Battery for a period limited by Battery capacity & charge state.

Over-current Protection:	V+ (T3) & the 3 outputs on P2 are individually protected by electronic fuses. If activated, normal operation will resume when the excess load/short circuit is removed from the relevant O/P.
Low Battery Alarm:	Normal = 11.7V. During Battery Testing = 11.1V
Low Battery Restore:	When the Battery, or replacement Battery reaches full charge. i.e. >13.3V & <150mA charge current.
Batt. Deep Discharge Protect:	10.4V when running. 11V at power-up.
Deep Discharge Recovery:	12.5V
Battery Safety Fuse (F2):	NOT User Serviceable. Return unit to supplier for repair.
Dimensions/Weight:	L: 274mm. W: 100mm. H: 64mm. Weight: 1.1 kg
Operating Environment:	0º to 49º Celsius / 32º to 120º F. (Ambient) 15% to 85% Relative humidity (non-condensing)

Battery.

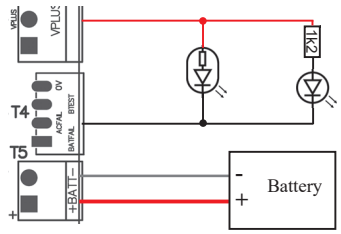
Battery Type & Capacity:	12V Sealed Lead Acid Battery. 7Ah minimum. 18Ah - 45Ah recommended depending on load requirements.
Replacement period:	5 years maximum. Refer to manufacturers recommendations & relevant local standards.
Standby Power:	18Ah Battery & 3.8A Total average load on P2 & T3: 4 Hrs.

Miscellaneous Integriti/Inception System Specifications

Auxiliary Relay Contacts: 30VDC. 1A max.
Siren Output Speaker impedance: 4 Ohms min. 2.3A (ISC or 8-32 Zone Expander)
Note: Battery must be connected if Sirens are used. The Module may source a portion of the Siren current from the Battery if required.

10A Smart Power Supply Wiring Diagrams.

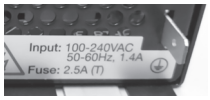
AC Present LED Wiring / Battery



For AC Mains Present indication, a Red 12V-24V LED (with built-in dropping Resistor) or LED with external Dropping Resistor can be connected as shown. Anode to VPLUS & Kathode to ACFAIL.

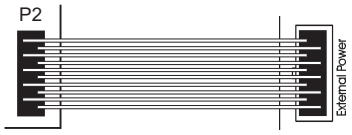
Battery connection. Connect T5 on the 10A Smart Power Supply to the 12V 7AH Battery using the cable provided. **The Battery is a Non Power-limited Source.**

EARTH



The 6.3mm QC Earth Terminal is on the rear of the unit, bottom right-hand corner. It connects to the nearest chassis earth stud using the supplied earth wire, M4 locking nut & shakeproof washer.

External Power



External Power Supply connection. Connect P2 on the 10A Smart Power Supply to an Integriti LAN Module using the cable provided.

Generic Inner Range LAN Module/UniBus Board Wiring Diagrams.

Tamper Switch

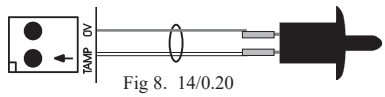
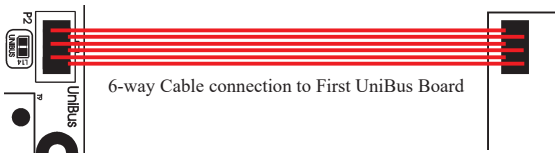


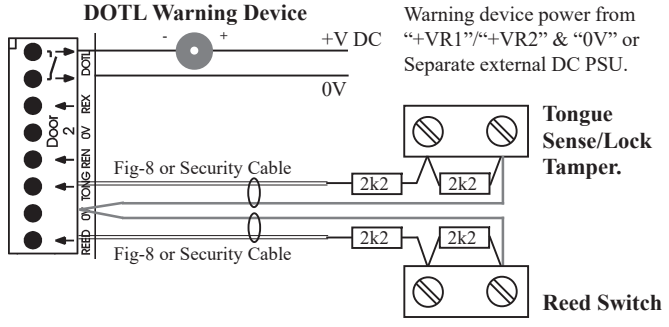
Fig 8. 14/0.20

UniBus



6-way Cable connection to First UniBus Board

Door Monitoring

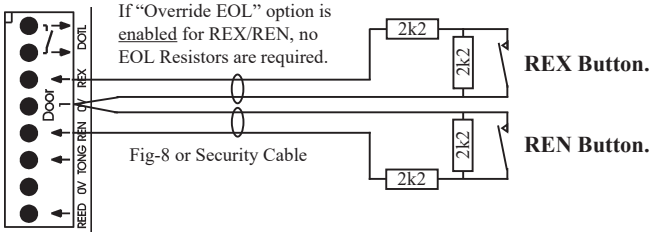


Warning device power from "+VR1"/"+VR2" & "0V" or Separate external DC PSU.

Tongue Sense/Lock Tamper.

Reed Switch

Door Control

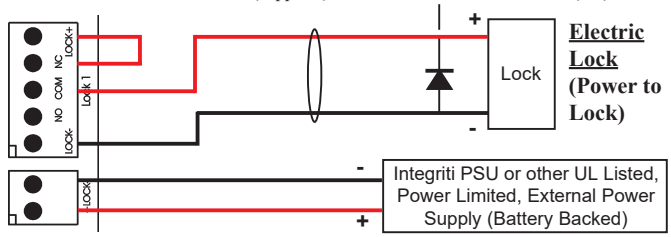


If "Override EOL" option is enabled for REX/REN, no EOL Resistors are required.

REX Button.

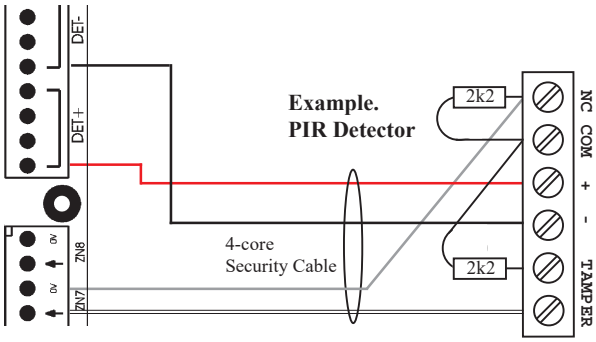
REN Button.

Lock



Electric Lock (Power to Lock)

Zone Input (PIR)



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