

High Resistance Grounding OEM Kit



High Resistance Grounding - OEM Kit

HRG - OEM Kit

Incorporating HRG (High Resistance Grounding) in your design brings a host of benefits, including uninterrupted power flow, minimal damage during faults, and reduced arc-flash risks.

I-Gard presents an innovative solution tailored specifically for switchboards, and switchgears. Our ready-to-install kit provides a compact and efficient method to enhance electrical grounding, ensuring hassle-free installation. It consists of three essential components:

- **Pulsing Resistor:** Maintains power continuity by effectively limiting fault currents.
- **Ground Fault Relay:** Enables early fault detection, thereby mitigating damage and minimizing downtime.
- **Smart Touch Screen Display:** Facilitates intuitive monitoring and control, enhancing system visibility and management.



Value to users



Space-saving Design

- Smallest footprint in the marketplace
- Featuring just three mountable components
- UL508A Certified



Save Time

- Pre-wired components for quick and hassle-free connection
- Touchscreen display for easy functionality control and setup
- Single-touch pulsing activation for simplicity
- Modbus TCP communication settings available via Sigma 3-TDM display



Enhanced Functionality & Reliability

- Monitor resistor, log data, analyze trends, and adjust communication settings via the display
- Pulsing capability for precise ground fault location
- Alarming with timestamping and fault indication details for quick response



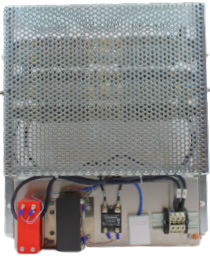
Customization

- Tailor your system with the option to upgrade to SMART HRG by replacing the SIGMA-3C relay with the advanced DSP relay.
- Choose from various resistor sizing and dimensions to perfectly match your requirements.

Four simple steps to ensure a seamless installation of the HRG OEM Kit.

Step 1:

Mount back plate using 4 bolts



Step 2:

Mount SIGMA3-C back plate with 4 screws (Alternatively, choose DIN Rail mounting)



Step 3:

Door mount
SIGMA3-C-TDM using 2 screws.

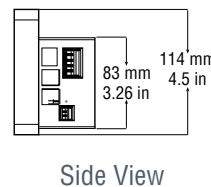
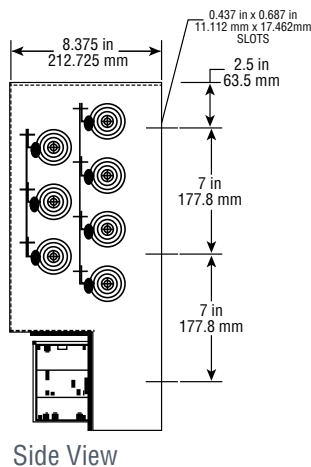
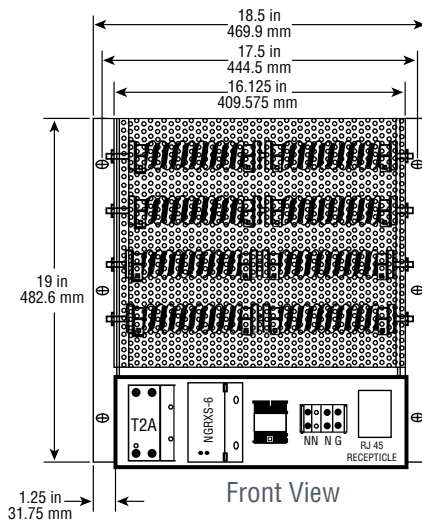


Step 4:

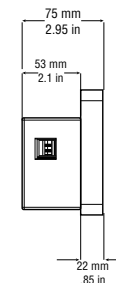
Establish connections with 2 cables one from NGR to SIGMA3-C and another from SIGMA3-C to SIGMA3-C-TDM.



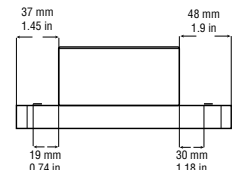
Dimensions



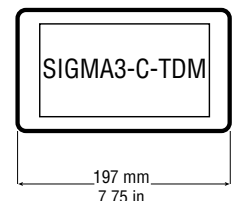
Side View



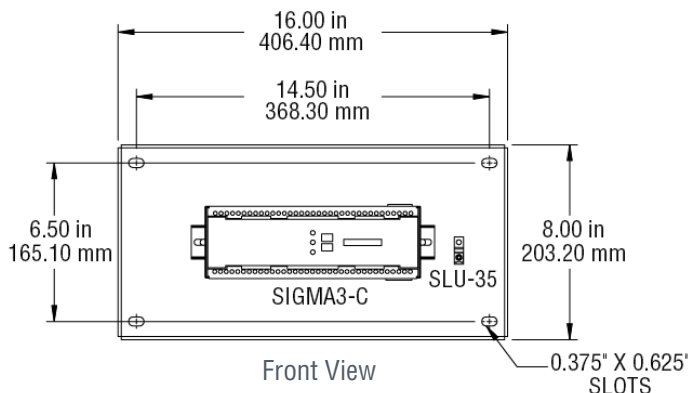
Top View



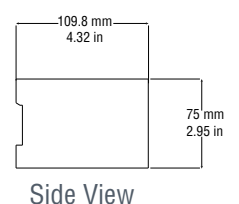
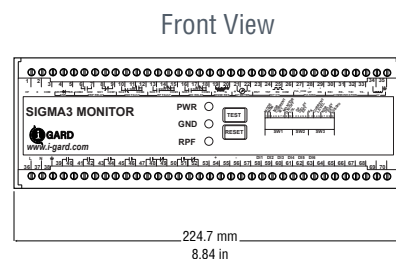
Front View



Pulsing Resistor



SIGMA3-C-TDM Touchscreen display



Sigma3-C Relay for DIN Mounting

Sigma3-C Relay with back plate Mounting



HRG-OEM Kit 2024



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