

Essentia intelligent twin switch monitor EME211-I

The Essentia intelligent twin switch monitor EME211-I with isolator provides the function of two switch monitor units within one enclosure. Both units provide supervision of normally open contacts connected to a single pair of cables. The two units are electrically independent of each other. There is a DIL switch on each unit to set the address. Address range is 1-126.



Figure 1. Essentia intelligent twin switch monitor EME211-I

Table 1. Essentia intelligent twin switch monitor

	TECHNICAL SPECIFICATIONS
Esmi product number	FFS06720317
Model number	EME211-I
Supply voltage (Vmin-Vmax)	17-35V DC
Protocol	5-13V peak to peak
Power-up surge current	900µA per switch monitor
Quiescent current	500µA per switch monitor
Max current LEDs on	2mA per switch monitor
Max current LEDs disabled	500µA per switch monitor
Operating temperature	-40 °C to +70 °C
Humidity	0% to 95% RH (no condensation or icing)
Vibration, impact and shock	EN 54-17 & EN 54-18
Standards and approvals	EN 54-17 & EN 54-18, CPR and LPCB
Dimensions	60mm height x 150mm width x 90mm depth
Weight	273g

Specifications are typical at 24V, 25°C and 50% RH unless otherwise stated.

Legend	LED Status	Description
RLY	Continuous Red	Relay Active
RLY	Continuous Yellow	Relay Fault
Poll/ISO	Flashing Green	Polling LED
Poll/ISO	Continuous Yellow	Isolator LED
I/P	Continuous Yellow	Input Fault
I/P	Continuous Red	Input Active

Figure 2. Status indications

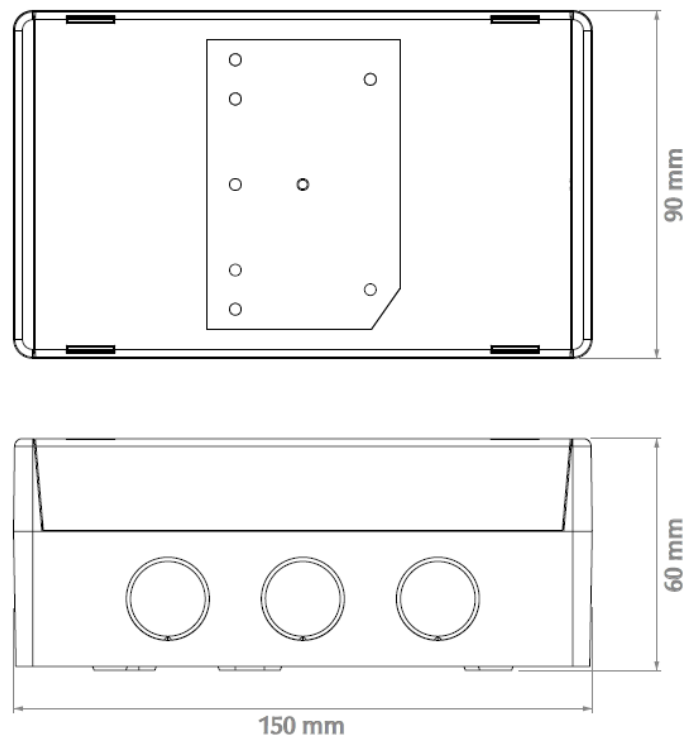


Figure 3. Dimensions

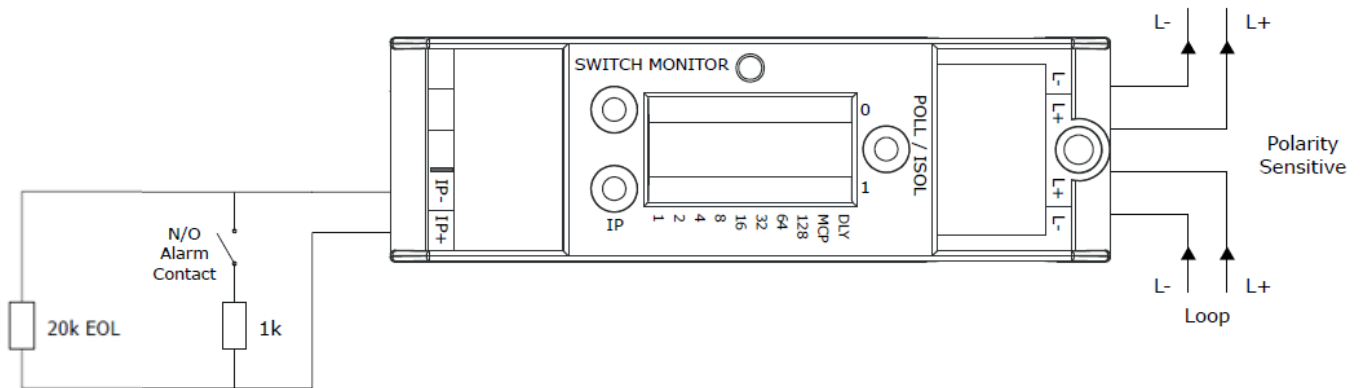


Figure 4. Essentia intelligent twin switch monitor standard resistive monitoring mode connectivity diagram