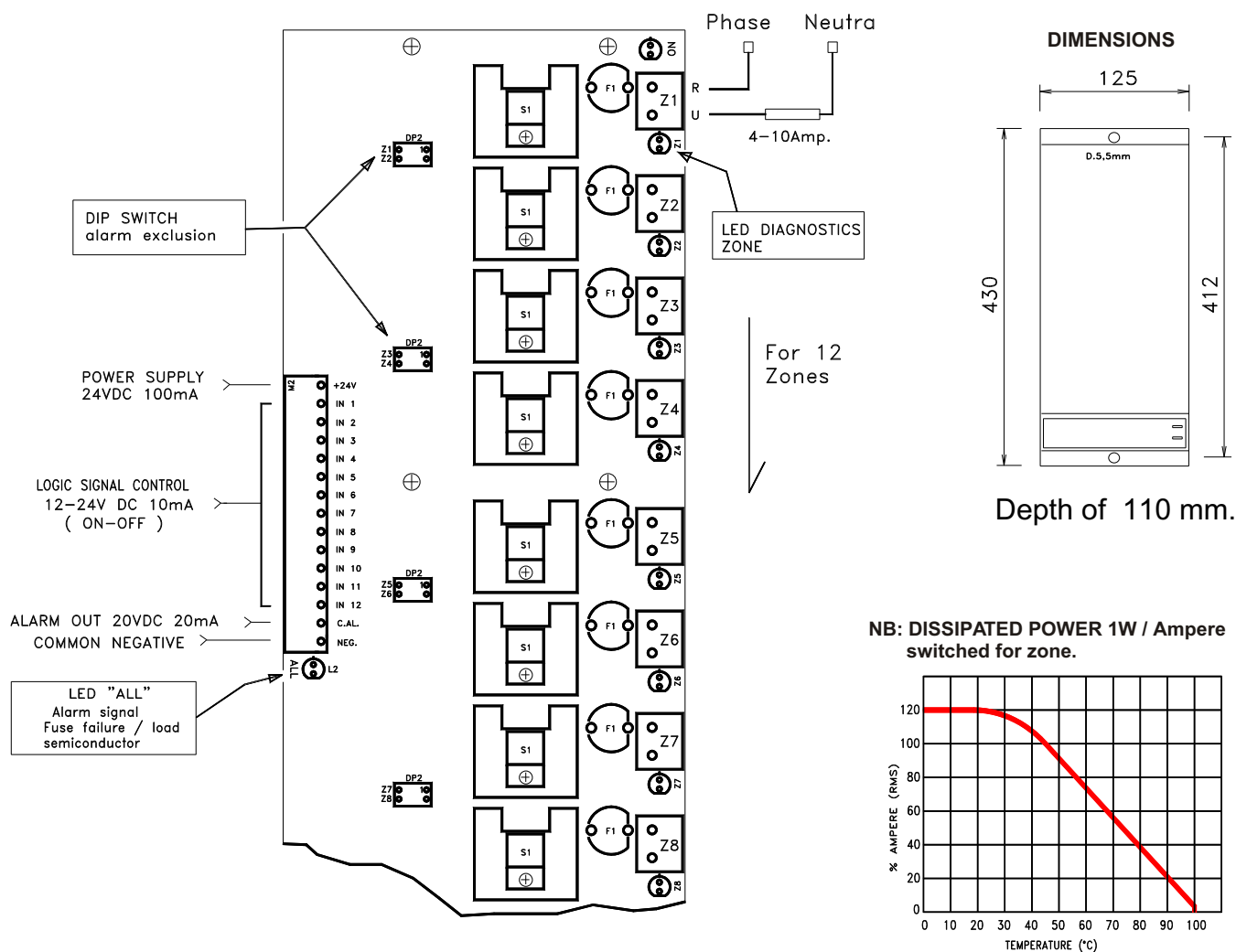


Card 12 Zones Single-Phase Zero-crossing with diagnostics

MOD. SC-12ZD 4amp 230Vac Cod.1088
MOD. SC-12ZD 10amp 230Vac Cod.1089



- Card to control no. 12 single phase zones.
- Zero-crossing control for resistive loads 230vac.
- Maximum power 4-10Amp.
- Every zone has its removable extra fast fuse, 16Amp for 4Amp cards, 20Amp for 10Amp cards.
- Forced ventilation for 10Amp. version (Fan 230V 30VA) .
- Power supply 24vdc 100mA.
- Minimum cycle time (SSR) 0.6" sec.
- Analog control signals 12-24vdc 10mA for 12 zones.
- Active diagnostics for each load fault zone - Fuse - Semiconductor alarm signal "out" in common (C.AL) 20vdc 20mA.
- Ambient operating temperature 45 °C max (see temperature curve).



Operation of the diagnostics:

The control signals "SSR" are disabled every 15 sec for the duration of 100 ms. The following items are checked: all the fuses, the presence of all the loads, and no faulty semiconductor.

In the event of alarm, the led ALL near the control terminal activates. At the same time in the C.AL output (alarm common) a voltage signal 20vdc 20mA occurs.

With the operation leds located near the power terminals, it is possible to determine if the zones are working properly, and which one may have triggered the alarm. The behaviour of these leds is linked in a direct way with the semiconductor. In fact, when it is closed (current delivery time) the led is off, when the semiconductor is open it turns on, being connected in parallel. This allows to establish in a direct manner if the zones operate correctly.

The purpose of the DIP switches on the card, indicating the respective zones, is to exclude the alarms of the unused zones. To exclude the zone, set the DIP to ON.