Protec Fire Detection plc

3200 Non Addressable Fire Alarm Control Panel

Fire Detection - Non Addressable

- 2 Fire Detection Zones
- Fully Compliant with EN54 Parts 2 & 4
- Manual Device Activation Indication
- Coincidence Detection
- Non-latching Zones
- Zone Disablements
- Alarm Disablements
- User Walk Test

The 3200 series non-addressable fire alarm control panel has been designed to provide a simple, user-friendly, cost effective solution. With 2 detection zones the 3200 panel is ideally suited to smaller Industrial and Commercial Developments.

Functionality

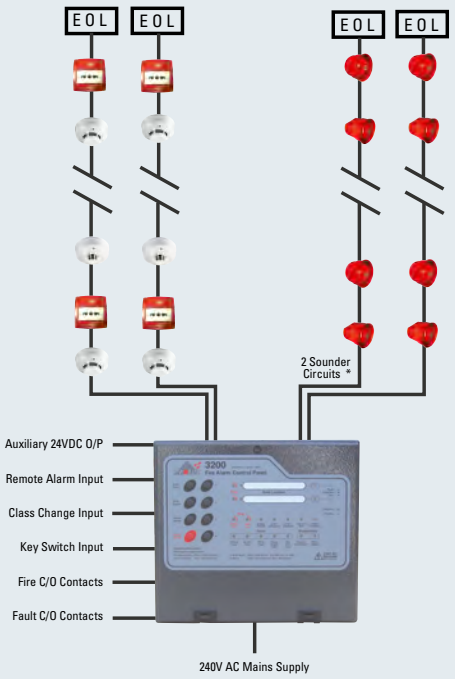
The following functions can be performed by the user when entering the user access code.

- Silencing an alarm condition
- Sounding the alarms
- Resetting the panel after an alarm activation
- Testing the front panel indications and buzzer
- Programming a zone into test mode
- Disablement of detector circuits
- Disablement of alarm circuits

Features

- Ability to distinguish between manual or automatic device activation using Protec 3100/MCP manual call points and 3000 series conventional detectors.
- Coincidence on zones programmable. (Both zones must activate together to trigger panel). A default time-out is given if only one coincidence zone activates.
- Non-latching zones
  Zones may be programmed non-latching. Panel resets when cause of the fire is cleared. Global fire contacts do not activate.
- Zone disablements
  Zones can be disabled to prevent faults and fire activations.
- Zonal test Programmable. When triggered, operates alarm outputs for 4 seconds, then resets panel. Only one zone at a time can be tested by the user.
- The 3200 fire alarm control panel complies with EN54 parts 2 and 4.

3200 Technical Specification



KEY


3000/OPHT


3000/OP


3000/ION

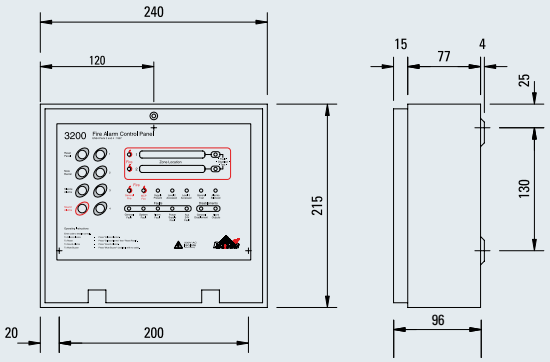

3000/TEMP64


3000/MCP


SSR24


SSR/LED24R

3200 Fire Alarm Panel



Dimensions in mm

Power Supply Mains	230V AC. Nominal (± 10%)
Integral Charger	500mA switch mode, temperature compensated
Auxiliary 24V output	24V DC, 100mA max
Maximum Battery Size	2 x 12V 2.2Ah
Mains Fuse	1A HRC ceramic 20mm
Battery Fuse	1A F 20mm
Working Voltage	20V to 30V DC
Current Consumption	15mA (24V DC) + Zone Load
Number of Detector Zones	2
Maximum Zone Cable Length	500 metres
Maximum Zone Cable Capacitance	0.27µF
Maximum Zone Cable Resistance	15Ω per conductor
Detector Circuit EOL Values	Resistive (8.2kΩ) or capacitive (100µF+22Ω)

Maximum Quiescent Zone Load	1.5mA per zone
Maximum Number of Detectors	20 per zone (smoke or heat)
Maximum Number of Devices	32 (MCP and Dets) per zone
MCP Series Resistor Value	180Ω ± 5%
Number of Alarm Circuits	2
Alarm Circuit End Of Line Value	10kΩ 1/4W ± 5%
Maximum Alarm Load	150mA per circuit
Class Change Input	Activates alarm outputs
Remote Alarm Input	Activates alarm outputs, internal buzzer and general fire indicator
Global Fault Contacts	24V DC 1 A rating
Global Fire Contacts	24V DC 1 A rating
Temperature Range	0 to 40 Degrees Centigrade
Humidity Limit	85% Non-Condensing

Protec Fire Detection Plc, Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT