Standards are for setting, not following.

At Monsher, we have always set the standards for fire safety in India, whether with our products or our partnerships. So it gives us great pleasure to announce that we have been appointed the sole Indian distributor for Detectomat Fire Alarm Systems, a German giant that has earned VDS approval. What makes this exclusive association even more noteworthy is that Detectomat is part of the Jobs Group, which controls 98% of the world's sprinkler production.

And now, Monsher is bringing the globally acclaimed detect 3000 Fire Alarm System range to your doorstep, which combines high performance and simple application to make perfect sense.

The key features of this range are:

- Fast
- Effecient
- Reliable
- Very high loop length
- Simple operation
- Effective
- Flexible
- Fail-safe and robust
- Self-checking
- High use comfort

New features:

Control of multiple networks
Complies with EN54

Optical smoke detector, with inbuilt Isolator
Model No. PL 3200 O

Optical smoke detector for loop3000 with 2 optical and 1 thermal sensor for earliest fire detection and indication and with optional inbuilt bidirectional Isolator according to DIN EN 54-7, EN 54-17

- Exact pollution recognition by an additional independent measuring chamber
- Fault monitoring of the measurement chamber signal and loop3000 -electronics
- Periodic sensor test
- Automatic and manual addressing on the loop3000
- Option for inbuilt Isolator
- Alarm output for the triggering of LED indicators
- Disable and enable modes with individually adjustable sensitivities
- Storage of last maintenance date
- Self learning modes for the ambient conditions
- Multicolour-LED for alarm (red) and fault (yellow)
- Also available for air ducts

Sensitivity	5 levels adjustable
Ambient temperature	-10°C to +60°C
Humidity	max. 93 % (±2 %)
Protection class	IP 40
Dimension (H x Ø)	44 mm x 100 mm
Standards	DIN EN 54-7, EN 54-17

Heat detector with fixed and rate of rise temperature settings, with inbuilt Isolator
Model No. PL 3200 T

Heat detector with fixed and rate of rise temperature settings for loop3000 with 1 thermal sensor for earliest fire detection and indication in all environments with difficult ambient conditions according to DIN EN 54-5 with optional inbuilt bidirectional Isolator according to EN 54-17

- Integrated temperature measurement as rate of rise procedure and maximum value in accordance to EN 54-5 A1
- Periodic sensor test
- Automatic and manual addressing on the loop3000
- Option for inbuilt Isolator
- Alarm output for the triggering of LED indicators
- Disable and enable modes with individually adjustable sensitivities
- Storage of last maintenance date
- Multicolour-LED for alarm (red) and fault (yellow)

Sensitivity	5 levels adjustable
Ambient temperature	-10°C to +60°C
Humidity	max. 93 % (±2 %)
Protection class	IP 40
Dimension (H x Ø)	52 mm x 100 mm
Standards	DIN EN 54-5, EN 54-17

Manual call point, with Isolator, with LED, ABS, red, breakable glass
Model No. PL 3300 MCP EU

Addressable Manual Call Point for loop 3000 for the manual activation of an alarm with bidirectional Isolator and status display via LED accordording to DIN EN 54 -11. Red plastic housing with imprint, "burning house."

- Activation after smash of the front glass and button push
- Intergrated Isolator
- Integrated red alarm LED
- Integrated reset mechanics
- Potentialfree alarm output for the activation of e.g. a parallalel indicator
- Wheatherproof version available upon request

Dimensions (H XW X D)	135mmX 135mm X33mm
Protection class	IP 42
Standards	DIN EN 54-11, EN 54-17

Fire control panel
detect 3004plus
Model No. Detect 3004

Microprocessor controlled modular fire control panel for the use with the loop3000 fire detection system components.
Approved according to EN 54-2 A1:2006, EN 54-4 A1:2002, A2:2006 and VdS for the use according to VdE 0833

- Large LCD, 160 x 80 with backlight
- Up to 4 loops (modular system)
- Per loop 126 addresses; up to 3500 m loop length
- Up to 16 conventional zones
- Extinguishing interface for controlling extinguishing and gas suppression systems in accordance to EN 12094 and VdS
- Networkable with up to 63 additional network components
- Integrated power supply 72 W
- 1 output for external devices rated 24 V DC/800 mA
- 1 output 24 V/400 mA monitored for signalling devices
- Monitored power supply unit and battery charging according to EN 54-4
- 3 potential free relays for fire and fault
- 8 open collector outputs for fixed functions
- Up to 16 programmable OC-outputs (8 per loop / conventional interface module)
- 3 inputs for collective signals
- Battery back up (12 Ah shallow; 26 Ah deep housing)
- Integrated ground fault monitoring
- Option for printer and LED indicators in the front
- Up to 128 programmable detector zones
- Up to 42 T-branches per loop
- Event log memory of up to 500 messages
- Customized customer texts of up to 20 characters
- Simple menu structure according to EN 54-2
- Time programming of sensitivity levels
- Integrated alarm buffer and 2 detector / zone dependencies
- Software controlled disablements for zones and detectors
- Ability to change and edit inspection and reaction times along with all delays
- Different access levels with password protection
- Integrated "one-man-revision-mode" with clear protocol and revision counter
- Powerful Software options (Visualization, remote control, commissioning, analyzing software packages)
- Language kits for flexibility in languages

Supply voltage	230 V AC (-15 % to +10 %)
Power supply	24 V DC/72 W/3,5 A 1 output 24 V DC/800 mA
Emergency supply	2 x 12 V/12 Ah (shallow housing) 2 x 12 V/26 Ah (deep housing)
Quiescent current	250 mA
Alarm current	400 mA
Interfaces	RS 232; Bitbus (RS 485)
Display	LC-Display 160 x 80 points 20 LEDs for status signal
Outputs	1 x 24 V/400 mA monitored (signalling) Up to 4 loop 140 mA/3500 m (126 Addr.) 3 relays outputs 250 V/5 A (alarm, fault) 8 OC-outputs 30 V DC/90 mA 8 programmable OC outputs 0 V/90 mA per interface module
Inputs	3 inputs for collective signal
Ambient temperature	-5°C to +40°C
Humidity	5 % to 95 % (non condensing)
Protection class	IP 30
Material	Sheet steel
Dimensions (H x W x D)	490 mm x 420 mm x 150 mm shallow 490 mm x 420 mm x 210 mm deep
Weight	12,5 kg without batteries
CPD-Number	0786-CPD-20817
VdS approval	G203068
System approval	S295054
Standards	EN 54-2:1997, 2006 EN 54-4:1997, A1:2002, A2:2006

1 Loopinterface, active, 140 mA for detect 3004plus
Model No. DLI 3240P X1

Microprocessor controlled loop interface for the uninterruptible and short-circuit-proof use with the loop3000 fire detection system components for the connection of 126 fire detection system components on one loop or 2 spurs

- **Supply via fire control panel detect 3004plus**
- **8 integrated freely programmable open collector outputs**
- **Integrated short circuit isolators on all loop outputs**

2 Loop-Interface, active, 2 x 140 mA for 3004plus
Model No. DLI 3240P X1 1L

Microprocessor controlled loop interface for the uninterruptible and short-circuit-proof use with the loop3000 fire detection system components for the connection of 2 x 126 fire detection system components on two loops or 4 spurs

- **Supply via fire control panel detect 3004plus**
- **8 integrated freely programmable open collector outputs**
- **Integrated short circuit isolators on all loop outputs**

Input- / Output module IOM 3311, single I/O, Relay, with Isolator
Model No. IOM 3311

Intelligent addressable Input- / Output Module for the loop3000 with bidirectional Isolator according to DIN EN 54-18 with one monitored input and one potentialfree relay output

- Connecting module with one freely programmable Input and one freely programmable Output
- Programming of different switching variants of Input and Output also with time control
- Integrated Isolator and T-Branch option
- Multicolour-LED for alarm (red) and fault (yellow)

Dimensions (H x W x D)	93 mm x 93 mm x 55 mm
Protection class	IP 54
Output	1 change over contact 30 V DC/1 A
Input	Low active monitored
Standards	DIN EN 54-18, EN 54-17

Monitoring module Single Output, for IOM 3311 and OMS 3301
Model No. IOM 3311

Add on monitoring module for the use in the modules IOM 3311 and OMS 3301 for the monitored triggering of external optical and acoustic signalling devices

- Module for the monitoring of one output line with 24 V and up to 1 A for broken wire and short circuit
- Add-on module for the direct mounting into the housing of the modules OMS 3301 and IOM 3311