FEATURES

- Microprocessor Based
- Multiple Abort/Releasing Modes
- 14 Status Indicating LEDs
- 5 Diagnostic LEDs
- Programmable Alarm Relay
- Single or Dual Solenoid Release
- Programmable Delays
- Programmable Release Circuit Isolate
- Programmable Cross Zone Operation
- 24-Hour Trouble Resound
- Supervised Abort, Manual Release and Supervisory Circuits
- Transient and Noise Protection
- Listings: UL, FM, ULC, MEA, CSFM

DESCRIPTION

The Kidde® SCORPIO™ is a low cost control panel that supervises and controls one fire suppression hazard. Microprocessor technology enhances reliability and field programmable versatility. The control unit is compatible with Kidde FM-200®, FE-13™, carbon dioxide, Industrial Dry Chemical, and Restaurant Wet Chemical suppression systems. It meets requirements of NFPA 72 and—additional to extensive listings—is approved for use in suppression systems covered by NFPA codes: 12, 12A, 17, 17A and 2001.

The control panel provides 14 indicating status LEDs and 5 diagnostic LEDs:

Indicating status LEDs are:

- AC power
- Zone 1 Alarm and Trouble
- Zone 2 Alarm and Trouble
- Alarm Silence
- Supervisory ON
- Supervisory Trouble
- System Trouble
- Manual release Alarm and Trouble
- Release output Trouble
- Abort Active and Trouble

Diagnostic LED indications are:

- AC Fault
- Ground Fault
- Battery Fault
- Signal circuit Open
- Signal circuit Short

Field programmable options include: multiple time delays, 3 abort modes, single or cross zone operation, release circuit isolation, and a second alarm relay programmable to operate on actuation of 2nd cross zone or agent release.

Programmable abort modes are:

- Mode 1: Timer hold at 10 seconds, count down upon abort release
- Mode 2: Timer reset to initial value, count down upon abort release
- Mode 3: Timer hold at 10 seconds if actuated before 2nd alarm, count down upon abort release (IRI)

The SCORPIO has two independent style “B” initiating circuits that can be programmed for single or cross zone application. The circuits support 15 Fenwal® 2-wire CPD/PSD type smoke detectors which can be intermixed with Detect-A-Fire® contact type, rate compensated thermal detectors. Also, style “B” abort, manual release and supervisory circuits are provided. All input circuits permit up to 50 ohms resistance, thus allowing extended wiring runs.
Abort, manual release and audible/visual signal can be
front panel mounted with the P/N 84-232002-00X or P/N
84-232003-00X options (see ORDERING INFOR-
MATION). The manual release switch incorporates a lift type
guard to prevent inadvertent activation.

One style “Y” signal circuit is rated 0.5 Amps @ 24 Vdc. The Control Unit is capable of activating the following
releasing devices:

- One or two 24 Vdc Solenoid Control Head
P/N 890181
- One or two 24 Vdc Solenoid Control Head
P/N 899175
- One or two 24 Vdc Solenoid Control Head
P/N 48650001
- One CXV 24 Vdc Solenoid Control Head
P/N 90-487100-001
- One XV 24 Vdc Solenoid Control Head
P/N 87-120099-001
- One 24 Vdc Solenoid Control Head P/N B120099

The control panel 24 Vdc power supply—provided for either 120 or 240 Vac input—features electronic power
limited overload protection and built-in battery charger. Optional panel mounted, 1.2 AH batteries (P/N 06-
115915-020) provides 24 hours of standby followed by 5
minutes alarm operation.

See ORDERING INFORMATION for optional Canadian
(ULC) version.

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### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Scorpio Control Panel, UL, 120 Vac Input</td>
<td>84-232000-102</td>
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<tr>
<td>Scorpio Control Panel, UL, 240 Vac Input</td>
<td>84-232000-104</td>
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<tr>
<td>Scorpio Control Panel, ULC, 120 Vac Input</td>
<td>84-232000-202</td>
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<tr>
<td>Scorpio Control Panel, ULC, 240 Vac Input</td>
<td>84-232000-204</td>
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<tr>
<td>Scorpio Control-Auxiliary Panel, 120 Vac, c/w factory mounted Front Plate P/N 84-232003-002</td>
<td>84-232002-001</td>
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<tr>
<td>Scorpio Control-Auxiliary Panel, 240 Vac, c/w factory mounted Front Plate P/N 84-232003-002</td>
<td>84-232002-002</td>
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<tr>
<td>Scorpio Control-Alarm Auxiliary Panel, 120 Vac, c/w factory mounted Front Plate P/N 84-232003-001</td>
<td>84-232002-003</td>
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<tr>
<td>Scorpio Control-Alarm Auxiliary Panel, 240 Vac, c/w factory mounted Front Plate P/N 84-232003-001</td>
<td>84-232002-004</td>
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<tr>
<td>Scorpio Alarm Auxiliary Front Plate w/ Manual Release and Abort Station and Cutout for Audio-Visual Device</td>
<td>840-232003-001</td>
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<tr>
<td>Scorpio Auxiliary Front Plate w/ Manual Release and Abort Station</td>
<td>84-232003-002</td>
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<tr>
<td>Lead Acid Battery, 12 Vdc, 1.2 AH (2 required)</td>
<td>06-115915-020</td>
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<td>Accessory Kit: 50 - 10K EOL resistors</td>
<td>06-129520-001</td>
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**ORDERING INFORMATION**

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