HOW TO ORDER
FP1600 and OMEGA 64
FIRE ALARM SYSTEMS

Vigilant
FIRE & EVACUATION SYSTEMS
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**How to Order FP1600 and OMEGA 64 Fire Alarm Systems**

LT0200

Tyco Safety Products

Issue 4.1
INTRODUCTION

The FP1600 Fire Alarm System is expandable from 16 to 96 zones and is available in both front service (F/S) and rear service (R/S) cabinet versions.

Systems are built up from multiple small format cabinets with a capacity of 16 zones each. Larger systems are built up by ordering and fitting additional parts as required. The parts to order for various size systems are listed and illustrated in this publication.

OMEGA 64 is the historical designation of the FP1600 in expanded 32-96 zone configuration. Larger format cabinets (32 zone) are no longer available.

IMPORTANT NOTES

1. Use correct installation instructions
FP1600 systems must be assembled, installed, wired and programmed correctly to ensure safe and reliable operation. Do not attempt to install or program a system without reference to the manufacturer’s instructions. Refer to the FP1600 Technical Manual (Part Number LT0196) for the correct assembly and installation information.

2. Thermal cutout for batteries wired in parallel
Where batteries are wired in parallel to obtain larger capacity, the installation instructions require a protective thermal cutout to be installed in series with each battery.

The ordering code for the thermal cutout is: SU0159 Thermal Cutout 10A, Type D. One cutout is required for each battery.
REAR SERVICE SYSTEMS

NOTE: Fire brigade signalling device, batteries, thermal cutouts, and alerting tone generators must also be ordered, as required.

16 Zone Rear Service
The following parts need to be ordered:
1 x FP0547 Master FP1600 R/S with 16 zone index

32 Zone Rear Service
The following parts need to be ordered:
1 x FP0547 Master FP1600, R/S with 16 zone index
1 x KT0438 Upgrade Kit, R/S, 32 zone, includes cabinet

48 Zone Rear Service
The following parts need to be ordered:
1 x FP0547 Master FP1600 R/S with 16 zone index
2 x KT0215 Slave PCB set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
1 x SP0424 Empty Cabinet, R/S, 16 zone index
1 x FP0896 Empty Cabinet, R/S, PSU, 16 zone index

64 Zone Rear Service
The following parts need to be ordered:
1 x FP0547 Master FP1600, R/S with 16 zone index
3 x KT0215 Slave PCB Set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
2 x SP0424 Empty Cabinet, R/S, 16 zone index
1 x FP0896 Empty Cabinet, R/S, PSU, 16 zone index

80 Zone Rear Service
The following parts need to be ordered:
1 x FP0547 Master FP1600, R/S with 16 zone index
4 x KT0215 Slave PCB Set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
1 x LM0073 FRC Loom, 20 way, 1500mm
2 x SP0424 Empty Cabinet, R/S, 16 zone index
2 x FP0896 Empty Cabinet, R/S, PSU, 16 zone index

96 Zone Rear Service
The following parts need to be ordered:
1 x FP0547 Master FP1600, R/S with 16 zone index
5 x KT0215 Slave PCB Set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
2 x LM0073 FRC Loom, 20 way, 1500mm
3 x SP0424 Empty Cabinet, R/S with 16 zone index
2 x FP0896 Empty Cabinet, R/S, PSU, 16 zone index
FRONT SERVICE SYSTEMS

NOTE: Fire brigade signalling device, batteries, thermal cutouts, and alerting tone generators must also be ordered, as required.

16 Zone Front Service
The following parts need to be ordered:
1 x FP0548 Master FP1600 F/S with 16 zone index

Zone Front Service
The following parts need to be ordered:
1 x FP0548 Master FP1600, F/S with 16 zone index
1 x KT0439 Upgrade Kit, F/S, 32 zone, includes cabinet

48 Zone Front Service
The following parts need to be ordered:
1 x FP0548 Master FP1600 F/S with 16 zone index
2 x KT0215 Slave PCB set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
1 x SP0425 Empty Cabinet, F/S, 16 zone index
1 x FP0897 Empty Cabinet, F/S, PSU, 16 zone index

64 Zone Front Service
The following parts need to be ordered:
1 x FP0548 Master FP1600, F/S with 16 zone index
3 x KT0215 Slave PCB Set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
2 x SP0425 Empty Cabinet, F/S, 16 zone index
1 x FP0897 Empty Cabinet, F/S, PSU, 16 zone index

80 Zone Front Service
The following parts need to be ordered:
1 x FP0548 Master FP1600, F/S with 16 zone index
4 x KT0215 Slave PCB Set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
1 x LM0073 FRC Loom, 20 way, 1500mm
2 x SP0425 Empty Cabinet, F/S, 16 zone index
2 x FP0897 Empty Cabinet, F/S, PSU, 16 zone index

96 Zone Front Service
The following parts need to be ordered:
1 x FP0548 Master FP1600, F/S with 16 zone index
5 x KT0215 Slave PCB Set
1 x KT0131 Kit, Comms Extender for 2+ Slaves
2 x LM0073 FRC Loom, 20 way, 1500mm
3 x SP0425 Empty Cabinet, F/S with 16 zone index
2 x FP0897 Empty Cabinet, F/S, PSU, 16 zone index
EXTENSION OF 16 ZONE TO 32 ZONE

**Rear Service**
The following parts need to be ordered:
KT0438 KIT, FP1600, UPGRADE TO 32 ZONES, R/S, INCL CABINET.
This kit comprises:
- 1 x KT0142 Kit, FP1600 MkII or MkIII upgrade to 32 zones
  This kit contains:
  - 1 x Master Software (for MkII systems)
  - 1 x Loom Master - First Slave
  - 1 x Slave PCB set (with two LED loom options)
  - 1 x FP1600/OMEGA 64 Zone Numbering Label Set
  - 1 x FP1600/OMEGA 64 Install/Configuration Manual
  - 1 x FP1600/OMEGA 64 Diagnostics Label
  - 1 x FP1600 32 Zone Upgrade Installation Instructions
  - 1 x SP0424 FP1600 R/S Empty Cabinet, 16 Zone Index

**Front Service**
KT0439 KIT, FP1600, UPGRADE TO 32 ZONES, F/S, INCL CABINET.
This kit comprises:
- 1 x KT0142 Kit, FP1600 MkII or MkIII upgrade to 32 zones
  This kit contains:
  - 1 x Master Software (for MkII systems)
  - 1 x Loom Master - First Slave
  - 1 x Slave Board set (with two LED loom options)
  - 1 x FP1600/OMEGA 64 Zone Numbering Label Set
  - 1 x FP1600/OMEGA 64 Install/Configuration Manual
  - 1 x FP1600/OMEGA 64 Diagnostics Label
  - 1 x FP1600 32 Zone Upgrade Installation Instructions
  - 1 x SP0425 FP1600 F/S Empty Cabinet, 16 Zone Index

**BRIGADE INTERFACE DEVICES**
The following parts need to be ordered:
PA0862 PCB Assembly, General Purpose SGD (with switches)
Used for connection to ATS.

PA0861 PCB Assembly, General Purpose Brigade Relay Interface
Used (with suitable transmitter) for any other remote connection type.

**TONE GENERATORS FOR ALERTING**
For new installations tone generator(s) will also be required for driving loudspeakers as alerting devices. Suitable products include:

PA1025 20W Mini-Gen Tone Generator, 12V
## LIST OF AVAILABLE PARTS & ACCESSORIES

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>FP0547</td>
<td>Master FP1600, R/S with 16 zone index Complete with Master PCB set</td>
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<tr>
<td>FP0548</td>
<td>Master FP1600, F/S with 16 zone index Complete with Master PCB set</td>
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<tr>
<td>SP0424</td>
<td>FP1600 R/S Empty Cabinet, C/W Index</td>
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<tr>
<td>SP0425</td>
<td>FP1600 F/S Empty Cabinet, C/W Index</td>
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<tr>
<td>FP0896</td>
<td>FP1600 Empty Cabinet, R/S with PSU and 16 zone index</td>
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<tr>
<td>FP0897</td>
<td>FP1600 Empty Cabinet, F/S with PSU and 16 zone index</td>
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<tr>
<td>KT0216</td>
<td>Master PCB set (for zones 1 to 16) This kit contains: Master PCB (F/S or R/S) LED board (break-off) FRC Looms Replacement Gear Plate for older systems</td>
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<tr>
<td>KT0215</td>
<td>Slave Extender PCB set Ignore PSU for zones 17-32, 49-64, or 81-96 Use PSU for zones 33-48, 65-80 This kit contains: Slave PCB (fits on F/S or R/S) LED board (break-off) FRC Looms</td>
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<tr>
<td>KT0131</td>
<td>Kit, Comms Extender for 2+ Slaves PA0771 Comms Interface PCB FRC: 1 x 250mm, 1 x 400mm, 2 x 1500mm 4 x PCB Standoffs</td>
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<tr>
<td>KT0142</td>
<td>Kit, FP1600 MkII or MkIII, upgrade to 32 zones See page 6 for contents</td>
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<tr>
<td>KT0438</td>
<td>= KT0142 + SP0424 (see page 6)</td>
</tr>
<tr>
<td>KT0439</td>
<td>= KT0142 + SP0425 (see Page 6)</td>
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<td>Code</td>
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<td>LM0074</td>
<td>Loom Master - First Slave</td>
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<td>LM0073</td>
<td>FRC Loom, 20 Way, 1500mm</td>
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<td>Software, OMEGA 64, Master V3.01, OTPROM (MkII only)</td>
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<td>SF0218</td>
<td>Software, OMEGA 64, Slave V3.01 OTPROM (MkII only)</td>
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<td>LT0196</td>
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<td>LT0199</td>
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<td>Literature, How to Order FP1600 Fire Alarm Panels</td>
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<td>LT0312</td>
<td>Literature, FP1600/OMEGA 64 Install/Config Manual</td>
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<td>LB0537</td>
<td>Label, OMEGA 64 Zone Numbering</td>
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<td>SU0159</td>
<td>10A Thermal Cutout (see note on page 3)</td>
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<td>FA1371</td>
<td>Fabrication, OMEGA 64, R/S Index (Master 32 zone)</td>
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<td>FA1372</td>
<td>Fabrication, OMEGA 62, F/S Index (Master 32 zone)</td>
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<td>FA1379</td>
<td>Fabrication, OMEGA 64, R/S Index (Extender 16 zone)</td>
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<tr>
<td>FA1380</td>
<td>Fabrication, OMEGA 64, F/S Index (Extender 16 zone)</td>
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<td>(spares only for earlier cabinets)</td>
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