HOW TO ORDER

FP1600 and OMEGA 64

FIRE ALARM SYSTEMS

VIGILANT

FIRE & EVACUATION SYSTEMS

CONTENTS

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:
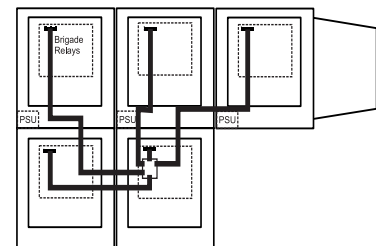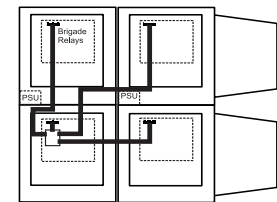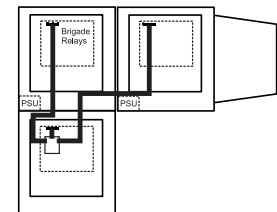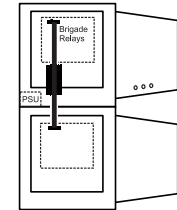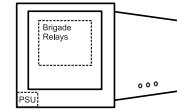1 x FP0547   Master FP1600, R/S with 16 zone index
5 x KT0215   Slave PCB Set
1 x KT0131   Kit, Comms Extender for 2+ Slaves
2 x LM0073   FRC Loom, 20 way, 1500mm
3 x SP0424   Empty Cabinet, R/S with 16 zone index
2 x FP0896   Empty Cabinet. R/S, PSU, 16 zone index
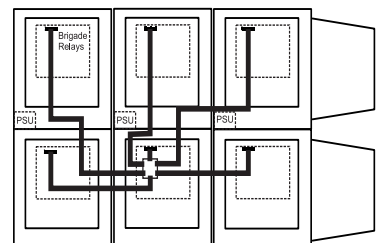
FRONT SERVICE SYSTEMS

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:
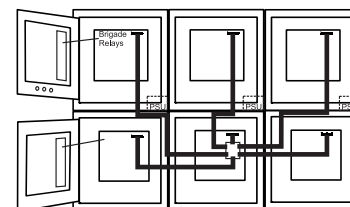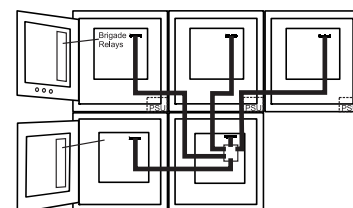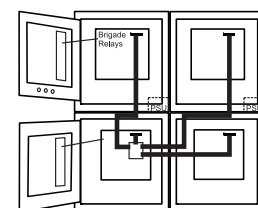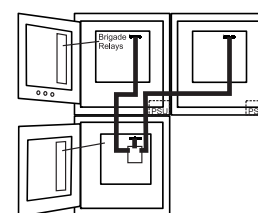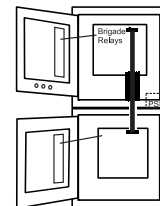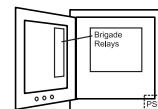1 x FP0548   Master FP1600, F/S with 16 zone index
5 x KT0215   Slave PCB Set
1 x KT0131   Kit, Comms Extender for 2+ Slaves
2 x LM0073   FRC Loom, 20 way, 1500mm
3 x SP0425   Empty Cabinet, F/S with 16 zone index
2 x FP0897   Empty Cabinet. F/S, PSU, 16 zone index

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:
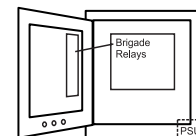

PA1025   20W Mini-Gen Tone Generator, 12V

LIST OF AVAILABLE PARTS & ACCESSORIES
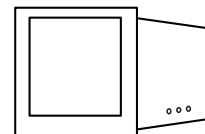
FP0547   Master FP1600, R/S with 16 zone index
                Complete with Master PCB set
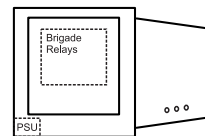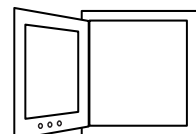
FP0548   Master FP1600, F/S with 16 zone index
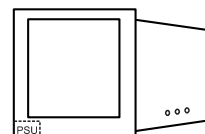   Complete with Master PCB set

SP0424   FP1600 R/S Empty Cabinet, C/W Index
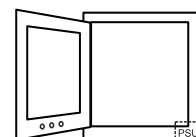
SP0425   FP1600 F/S Empty Cabinet, C/W Index
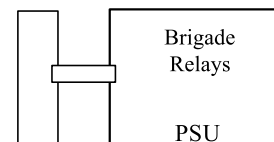
FP0896   FP1600 Empty Cabinet, R/S with PSU and 16 zone index

FP0897   FP1600 Empty Cabinet, F/S with PSU and 16 zone index

KT0216   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

KT0215   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
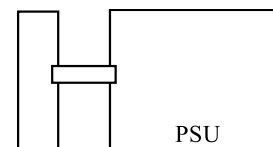
KT0131   Kit, Comms Extender for 2+ Slaves
                PA0771 Comms Interface PCB
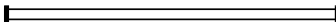   FRC: 1 x 250mm, 1 x 400mm, 2 x 1500mm
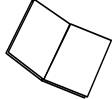   4 x PCB Standoffs
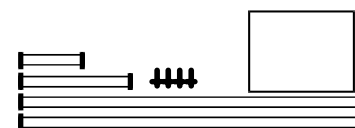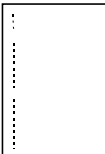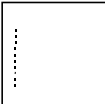
KT0142   Kit, FP1600 MkII or MkIII, upgrade to 32 zones
                 See page 6 for contents)
KT0438   = KT0142 + SP0424 (see page 6)
KT0439   = KT0142 + SP0425 (see Page 6)

LIST OF AVAILABLE PARTS & ACCESSORIES (Cont'd)

LM0074   Loom Master - First Slave

LM0073   FRC Loom, 20 Way, 1500mm

SF0217   Software, OMEGA 64, Master V3.01, OTPROM (MkII only)
SF0218   Software, OMEGA 64, Slave V3.01 OTPROM (MkII only)

LT0196   Literature, FP1600/OMEGA 64 Technical Manual
LT0199   Literature, FP1600 32 Zone Upgrade Installation Instructions
LT0200   Literature, How to Order FP1600 Fire Alarm Panels
LT0312   Literature, FP1600/OMEGA 64 Install/Config Manual

LB0589   Label, OMEGA 64 Diagnostics/Operation
LB0537   Label, OMEGA 64 Zone Numbering

SU0159   10A Thermal Cutout (see note on page 3)

FA1371   Fabrication, OMEGA 64, R/S Index (Master 32 zone)
FA1372   Fabrication, OMEGA 62, F/S Index (Master 32 zone)
              (spares only for earlier cabinets)

FA1379   Fabrication, OMEGA 64, R/S Index (Extender 16 zone)
FA1380   Fabrication, OMEGA 64, F/S Index (Extender 16 zone)
              (spares only for earlier cabinets)