

MICTRON 800-SE

FIREMAN TELEPHONE SYSTEM



COMMUNICATION
ROUND THE
CLOCK

3 YEARS
WARRANTY



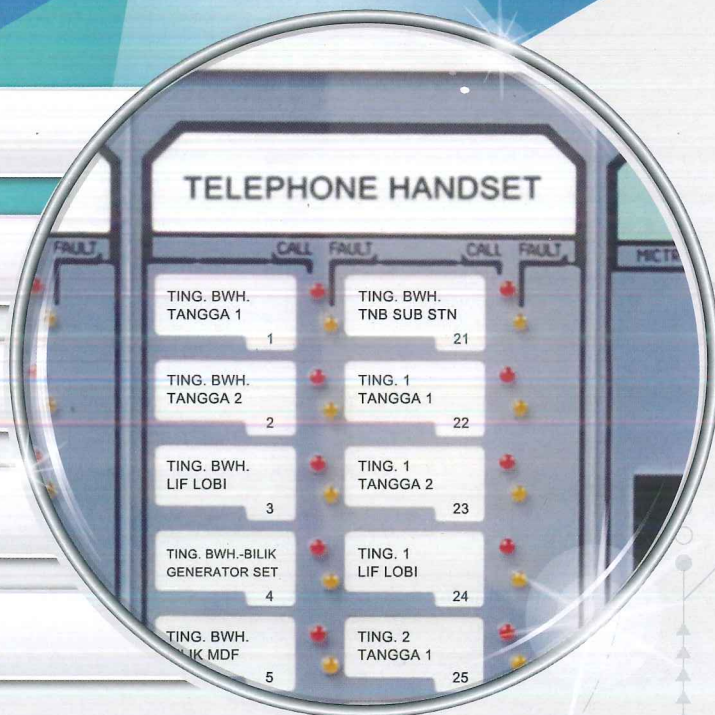
UP TO 40 POINTS
PER DISPLAY PANEL

CLEAR VISUAL
IDENTIFICATIONS

FLEXIBLE
ARRANGEMENTS

CHOICE OF
LANGUAGE

COMPACT
DESIGN



MADE IN MALAYSIA

MICTRON® RTTU®

THE IDEAL CHOICE WITH
**UNCOMPROMISING
FEATURES**

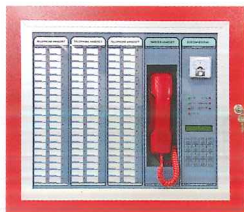
MICTRON 800-SE FIREMAN TELEPHONE SYSTEM

IS A MULTI-WAY COMMUNICATION SYSTEM USE BY FIREMAN DURING FIRE OR EMERGENCY SITUATION.

IT CONSISTS OF

MFTP

MAIN FIREMAN TELEPHONE PANEL



RTTU

REMOTE TELEPHONE TERMINAL UNIT



FTRS

FIREMAN TELEPHONE REMOTE STATION

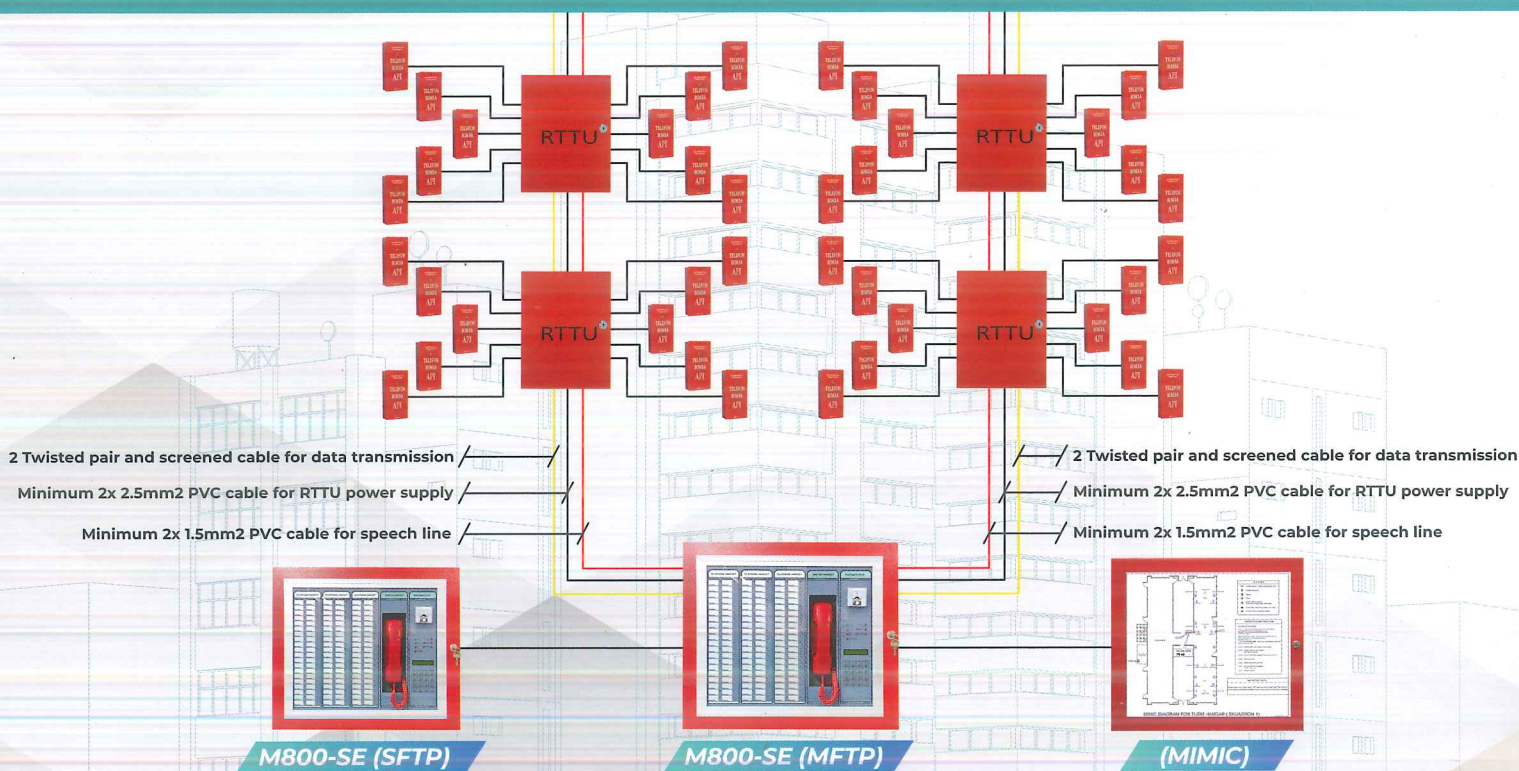


01 A STANDARD MFTP CONSISTS OF 2-BUS

02 EACH BUS CAN LOOP UP TO 32 RTTU

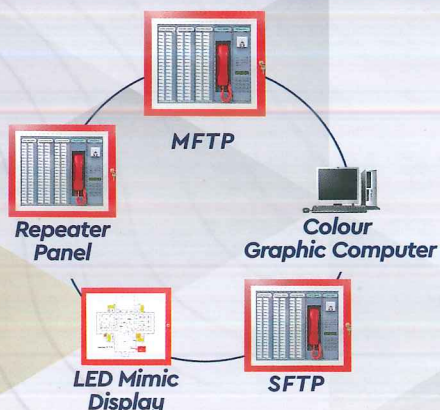
03 EACH RTTU CAN LINK UP TO 10 FTRS

A TYPICAL MICTRON 800-SE SYSTEM CONFIGURATION



Depending on the distance of the FTRS to the RTTU, and the RTTU looping to the MFTP, the cable size may vary, refer to the actual project schematic drawing for verification.

INTERLINKING CAPABILITY



Integration between the main panel and sub-systems can be achieved by using 2 twisted pairs of data cables (or other mediums) plus 1 pair PVC Cable as speechline.

The sub-system can be a full repeater or just a simple panel for the master handsets in the different control rooms to communicate with each other.



SYSTEM FEATURES



40-Point indication on facial display saves space on main cabinet housing. Red & amber LEDs to differentiate calling & fault conditions.



Two non-polarised wires are required for interlinking each remote station to RTTU.



System can expand up to 16 BUS.



Superb interlinking capability between main panel and sub-panels



Parts are interchangeable.



User-friendly keyboard design provide easy operation to call and connect between master and remote station.



Technologically practical.



Built-in transient suppressor to protect the modules from irregular or surge voltage.



Calling tones both at the remote station and master handset.



Auto connection between the remote station with the master handset, when the latter is lifted.



Party lines/conference calls from master handset to seven remote station.



Voltmeter & LED indication on keyboard panel showing system



Audio & visual facility both at masterpanel & remote station.



Compact plug-in modules for space saving.



Automatic volume compensation for different wire lengths.

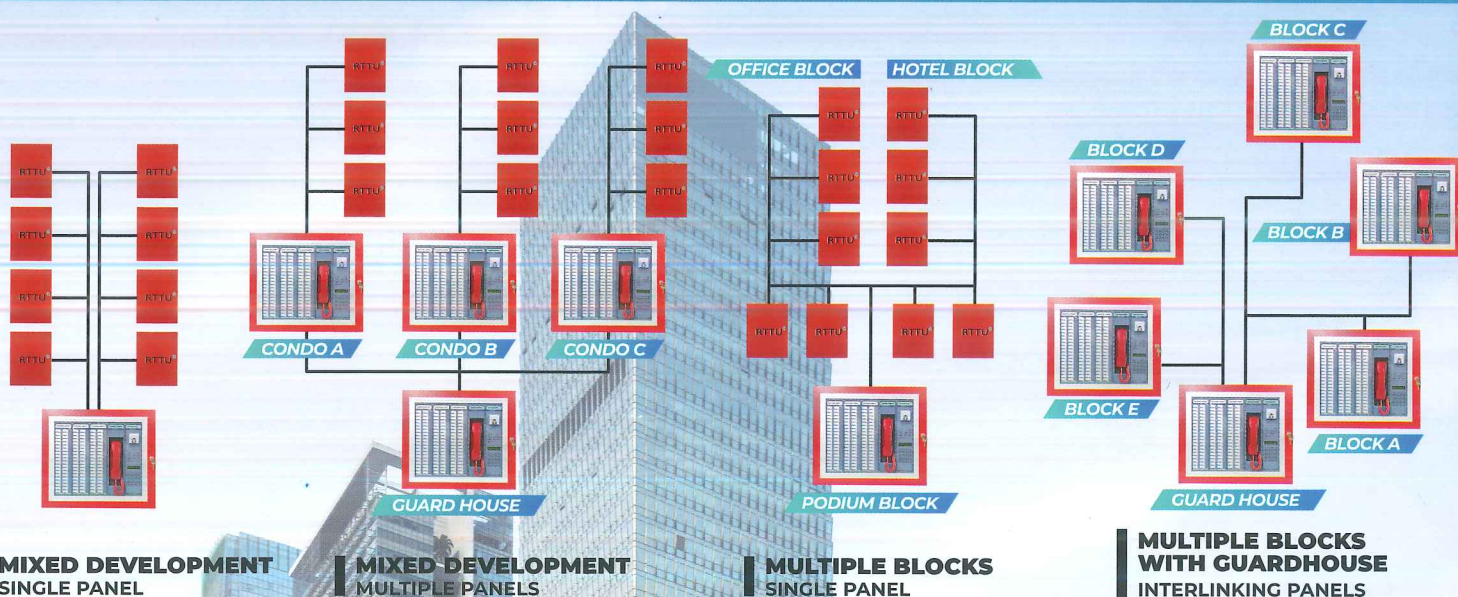


Up to 2km wire distance between Remote Station / RTTU and MFTP.



Optional mimic diagram to show the location of all remote station with LED Indicators.

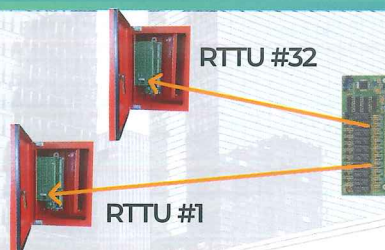
INSTALLATION CONFIGURATIONS



PARTS INTERCHANGEABILITY

No address setting is required for RTTU zone module. The address is set on the RTTU termination module.

To replace the faulty RTTU, just un-plug the faulty card & plug in a new card.



TECHNICAL SPECIFICATIONS

MAIN FIREMAN TELEPHONE PANEL **MFTP**

Manufacturer	: Micro-CTL Electronics Sdn. Bhd.
Brand	: Mictron
Model	: 800-SE
Power Consumption	: 24V DC 150mA
Operating Temperature	: 0 - 45 degree C
Operating Humidity	: 5% to 95% (Non-condensation)
Panel Construction	: Mild Steel
Panel Thickness	: 1.2 - 1.5mm
Finishing	: Epoxy powder coated paint
Colour	: Red

REMOTE TELEPHONE TERMINAL UNIT **RTTU**

Model	: RTTU (Remote Telephone Terminal Unit)
Material	: Mild Steel
Thickness	: 0.9mm
Finishing	: Epoxy powder coated paint
Colour	: Red
Dimension	: 292mm (H) x 216mm (W) x 90mm (D)
Capacity Zone Card	: 10 maximum
Part Number	: M800-RTTU-ALL
Zone module card	: M800-RTTU-CPU
Termination module card	: M800-RTTU-TER
Power Consumption	: 20mA or 0.6w, 22-32 volts DC
Max. Distance to Main Panel	: 2km (wires as shown in schematic)
Operating Temperature	: 0 - 50 degree C
Operating Humidity	: 5% to 95% (Non-condensation)

FIREMAN TELEPHONE REMOTE STATION **FTRS**

Model	: M8-FTRS
Handset Material	: High Impact Thermoplastic
Handset Colour	: Red
Constant Rating	: 24V DC 1A
Transmitter	: Condenser mic.
Receiver	: Dynamic
Impedance	: 150 ohms
Max. Distance to MH	: 2km (2 x 1.5mm ² PVC cable)
Operating Temperature	: 0 - 50 degree C
Operating Humidity	: 5% to 95% (Non-condensation)
Box Material	: Mild Steel
Box Colour	: Red
Box Thickness	: 0.9 - 1.2mm
Box Finishing	: Epoxy powder coated paint
Box Dimension	: 356mm (H) x 172mm (W) x 80mm (D)
Box Cover Dimension	: Surface Mount (M8-BC-S) • (364mm (H) x 178mm (W)) Flush Mount (M8-BC-F) • (380mm (H) x 195mm (W))

MIMIC DISPLAY

Model	: M800-Mimic
Material	: Multicolour mimic on perspex with calling LED
Operating Temperature	: 0 - 45 degree C
Operating Humidity	: 5% to 95% (non-condensation)
Enclosure Construction	: Mild Steel
Enclosure Thickness	: 1.2 - 1.5mm
Enclosure Finishing	: Epoxy powder coated paint
Colour	: Red
Dimension	: Customized

SUB-PANEL

Model	: M800-SFTP
Maximum Distance	: 2 km
Operating Temperature	: 0 - 45 degree C
Operating Humidity	: 5% to 95% (non-condensation)
Panel Construction	: Mild Steel
Panel Thickness	: 1.2 - 1.5mm
Finishing	: Epoxy powder coated paint
Colour	: Red
Dimension	: Customized

PC STATION

Model	: M800-PC-R1
Operating System	: Windows 7,10, or higher
MFIP Interface	: RS232 serial communication
User Interface	: Graphical User Interface (GUI)
Maximum Display	: 99 display panel
Maximum Users	: 99 graphical floor plans
Features	: 16 with password : Automatic display calling intercom : Zone indication on floor plan

BATTERY CHARGER

Model	: M8-CHG (1.5A)
Charger Type	: Constant voltage
Input Voltage	: 240V AC \pm 10% 50Hz
Charging Voltage (output voltage)	: 27.5V DC 1.2A
Ripple & Noise	: 100mV (RMS) maximum
Operating Temperature	: 0 - 50 degree C
Operating Humidity	: 5% to 95% (Non-condensation)

SYSTEM STATUS PANEL

Panel Model	: M800P-CPU
Type	: Microprocessor based
Model	: NXP MC68HC05/08
Memory	: 8K byte EPROM 2K byte RAM
I/O port	: 1 serial & 2 parallel
Operator Interface	: Keyboard with 16 keys 16 x 1 Alphanumeric LCD Display
System Indications	: LED for system fault, AC on/fail DC on, Charger fail & Battery low
Type of meter	: Voltmeter 0 - 30V DC
Power Consumption	: 22-32V DC, 50mA or 1.5W
Panel Construction	: Perspex on aluminium
Panel Colour	: Light grey / light blue / with black labelling
Panel Dimension	: 400mm (H) x 90mm (W) x 30mm (D)
Operating Temperature	: 0 - 50 degree C
Operating Humidity	: 5% to 95% (Non-condensation)

TELEPHONE STATUS PANEL

Panel Model	: M800SE-DP
Capacity Per-panel	: Maximum 40 zones
Indication	: CALL - Red LED, FAULT - Ember LED
Power Consumption(40 zones)	: 22 - 32V DC, 20mA or 0.6W
Panel Construction	: Perspex on aluminium
Panel Colour	: Light grey / with black labelling
Panel Dimension	: 400mm (H) x 90mm (W) x 30mm (D)
Operating Temperature	: 0 - 50 degree C
Operating Humidity	: 5% to 95% (Non-condensation)

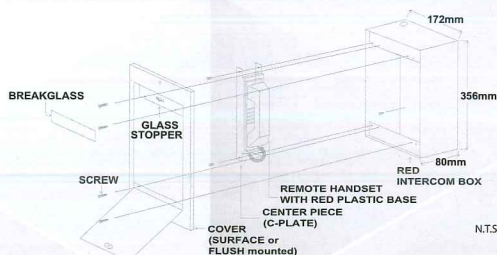
MASTER HANDSET PANEL

Panel Model	: M8P-MH
Handset Material	: High Impact Thermoplastic
Handset Colour	: Red
Constant Rating	: 24V DC 1A
Transmitter	: Condenser mic
Receiver	: Dynamic
Impedance	: 150 ohms
Panel Construction	: Perspex on aluminium (surface panel) Mild-steel (flush panel)
Panel Colour	: Light grey / light blue / with black labelling
Panel Dimension	: 400mm (H) x 90mm (W) x 30mm (D)
Operating Temperature	: 0 - 50 degree C
Operating Humidity	: 5% to 95% (Non - condensation)

MAIN PANEL DIMENSIONS



FIREMAN TELEPHONE REMOTE STATION DETAILS



MICRO-CTL AUTOMATION SDN. BHD. (457153-X)

No.3, Jalan SS13/6A, Subang Jaya Industrial Estate, 47500 Selangor Darul Ehsan, Malaysia.

☎ 006-03 5633 4993

☎ 006-03 5636 1117

✉ sales@micro-ctl.com

🌐 www.micro-ctl.com

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