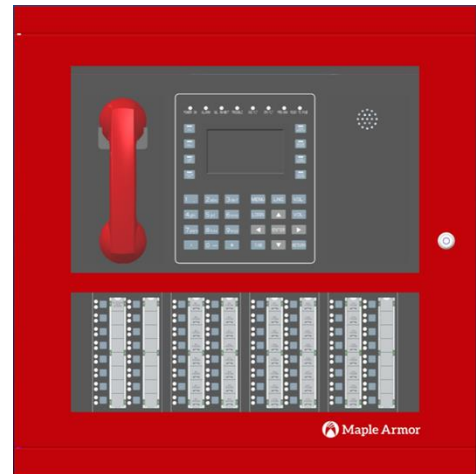# FW151-FP

Fire Telephone System

BLAZECOM

Fire Telephone System

FW151-FP is a modalized fire telephone control system, which contains the fire telephone related components from Maple Armor BlazeCom™ series voice control system.
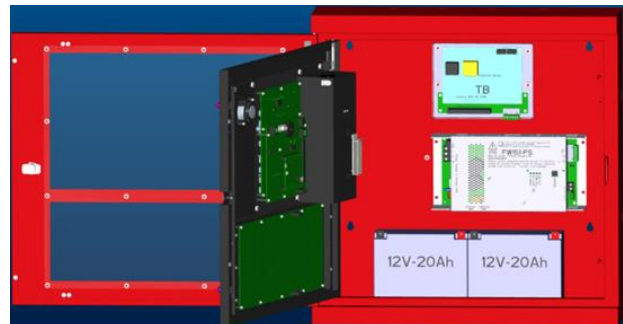
The master display unit contains full color 4.3" LCD, 8 LEDs for signal status, 8 LEDs for system status, 8 functional buttons, 24 buttons logical input keypad, 1 buzzer and 1 master microphone.

The zone selector integrates 64 functional buttons, 64 green-red double-color and 64 yellow single-color LED indicators, 8 label strips. It's a core control device, used to select fire telephones to speak with on loop.

Features

- 4.3" full color TFT LCD
- Up to 64 zone selector buttons and 128 zone indicators per DCP
- Indication of all required fault conditions
- Master telephone handset can be monitored by panel. For example, a trouble signal will be reported for an open circuit
- Two Class B or one Class A addressable firefighter telephone loop supporting up to total 40 addressable devices (addressable telephone stations (FW863) or addressable telephone wall jacks (FW864A)).
- Additional 4 conventional telephone wall jacks (FW864) can be connected to each addressable telephone wall jacks (FW864A) and are intended to be installed in the same zone.
- Modular PCBA for ease of installation and maintenance
- Digitized voice capability
- Full power supply and battery supervision capability
- Operate from 24 VDC backup batteries in the event of a master power failure
- Front door opening 180 degrees
- System language supports English and French.

The panel provides an AC 240V /AC 120V switchable input, DC 20.4V–DC 27V output power supply unit.

One telephone control unit that supports one telephone circuit (1 Class A or 2 Class B), and up to 40 addressable phone jacks and maximum of 160 conventional phone jacks are allowed to connect to the loop. The addressable phone jack connects to the loop cable and maximum 4 conventional phone jacks can be connected to an addressable phone jack.
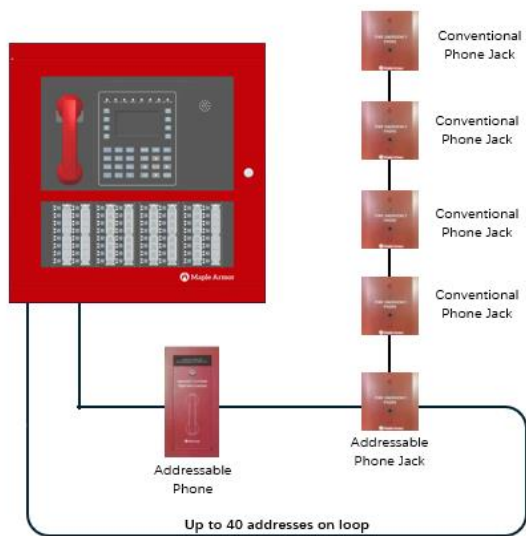
Spaces for two units of 12V20Ah batteries are provided in the cabinet.

System Configuration

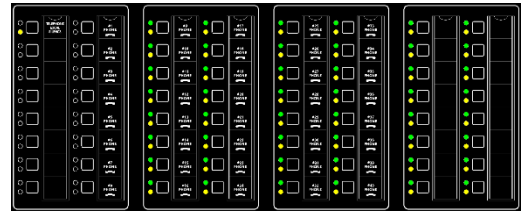| Module	Description	UL
MAP	Includes mother board(FW151-MB), daughter board(FW151-DB), FW151-DK (LCD display, LED indicators, buzzer, keypad, master handset and local speaker)	√
ZS	Zone selector FW151-ZS	√
TBS	Board slots FW151-TBS	√
TB	Telephone board FW151-TB	√
PS	Power-supply and charger unit FW151-PS	√

2 units of 12V 20 AH sealed lead-acid batteries in series will support minimum 24 hours normal system standby under the maximum loading.

System Diagram

- When wiring changed to Class B, the total addresses number limits will be 40 unchanged.
- Each addressable phone jack can connect up to 4 conventional phone jacks.
- The system supports one twisted pair communication. Length of cable can reach up to 1200 m.

Zone Selector

The ZS keypad has the following main functions:

- The TELEPHONE LOCAL SILENCE button can shut off the ringtone of an incoming call from the local speaker and turn its LED yellow. Pressing it again resumes the ringtone and extinguishes the LED.
- When a call comes in from an FFT, the corresponding PHONE button's LED flashes green with ringtone sounding and incoming call notice displaying. Pressing this button answers the call and turns the LED steady green. Pressing it again ends the call and turns the LED off.
- Pressing the TELEPHONE LOCAL SILENCE button with a yellow LED can silence or resound an incoming call while the PHONE button is still flashing green.
- If a telephone wall jack remains plugged-in after the talk, the TROUBLE indicator flashes yellow with buzzer sounding and a piece of flashing trouble information displays on the screen. The ACK button and the corresponding PHONE button's LED are both lit yellow. Pressing the AC button confirms the flashing trouble information and turns the TROUBLE indicator and the corresponding PHONE button steady yellow.

Configuration tools

Use EDCS-Programming-Tool graphic programming software for system configuration. Details see DOC-FW151-FP-UM-R1.0.

Standards

- UL864;
- ULC-S527