

21005 - FHT15 - Wireless Fire Alarm Control Panel with 15.6" Touchscreen

Revision: 05 | Creation Date: 2025-06-05 | Revision Date: 2025-08-11



Model:21005 | FHT15



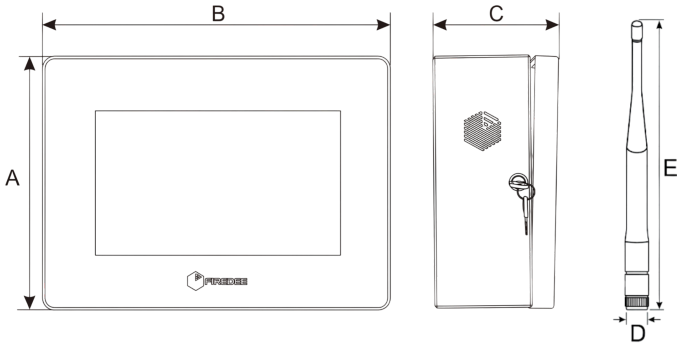
Application

The FHT Alarm Panel monitors and controls fire detection devices over the wireless network, for installation indoors in commercial, industrial, and residential buildings. Suitable for indoor use with AC power supply (IP30).

Operation

The panel continuously monitors every wireless device on the network. Upon receiving an alarm signal, it displays the alert on the touchscreen and activates the configured notification devices.

Dimensions



A	B	C	D	E
22.0 in	5.9 in	19.5 in	0.5 in	7.7 in

Standard Features

- Wireless protocol — 2.4 GHz, ISM band (Industrial, Scientific and Medical).
- Full HD touchscreen interface for real-time monitoring and control.
- AC power supply (100~240 VAC) with two rechargeable backup batteries.
- 128-bit AES encryption; restricted to enrolled installation unit.
- Fault indication at the Fire Detection and Alarm Panel within 20 seconds.
- Built-in remote access with alert, battery, and signal level reports.
- IP30 ingress protection; for indoor use.

Product Certifications:



Specifications

ENVIRONMENTAL CHARACTERISTICS	
Ingress Protection	IP30
Operating temperature	-10 to 50 °C
Storage temperature	0 to 40 °C
Relative humidity	10% to 90%
ELECTRICAL CHARACTERISTICS	
Power supply	100~240 VAC (dual-voltage)
Electrical power	18~35 W
Maximum current	≤ 0.35 A
Backup battery	2 × 12 V / 12 Ah
Battery backup time	28 h (857 mA)
Battery service life	24 months
DIMENSIONS	
Touchscreen display	15.6"
Dimensions (A × B × C)	22.0 × 5.9 × 19.5 in
Packaged dimensions	24.0 × 7.9 × 21.5 in
Weight	20 kg

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Specifications

RADIO FREQUENCY — 802.15.4	
Number of radios	1
Operating channels	11 to 26 (default 26)
Network encryption	AES 128-bit
Data transfer rate	256 Kbps
Signal modulation	O-QPSK
Antenna gain	5 dBi
Transmission power	≤ 20 dBm
Sensitivity	-102 dBm
Antenna type	External
Indoor range	120 m
Outdoor range (line of sight)	1,500 m
Standard	802.15.4
SOFTWARE CHARACTERISTICS	
Device capacity	65,535
Maximum fault alert	≤ 20 sec
Remote access	Yes
HARDWARE SPECIFICATIONS	
Processing module	Module 2 or Module 8
GSM modem (4G/LTE)	Optional
Audio	≥ 85 dB (configurable)

LED Indicators

LED	State	Description
	Off Powered Off	Panel powered off or without power supply.
	White Operation	Panel operating normally.
	Yellow Fault	Panel in a fault condition.
	Red Alarm	Panel in an alarm condition.

Item	Module 2	Module 8
RAM memory	2 GB	8 GB
Storage (microSD)	64 GB	256 GB
Device capacity	Up to 1,000	Up to 65,535
Floor plan capacity	Up to 80	Up to 400