



**FB-FirePAC®**  
**System Monitor/Interface & 48 Zone**  
**Addressable Indicating Panel**  
**7254-ITP-48AM**



**Overview**

FB-FirePAC is a Protected Premises Control Unit and Combination System that is NRTL tested and approved to meet ANSI / UL-864 10th Edition and various other UL & NFPA codes as required by this standard.

The System Monitor / Interface & 48 Zone Addressable Indicating Panel (7254-ITP-48AM) is a FireBus Intelligent Termination Panel (ITP) communicating to the FB-FirePAC system on a Data Link (ITPDL) through the FPI/MTP pair.

It provides a mimic of the FPI's system status LED's and the MTP's releasing system status LED's and provides Acknowledge, Silence and Reset pushbuttons for the system, secured with a physical keyswitch.

In addition, 48 Zone indication LED's programmed and controlled by the PAC are used to communicate system status unique to the protected premises.

Up to four 7254-ITP-48AM units can be connected to the ITPDL of any FPI/MTP pair.

**Communications**

The 7254-ITP-48AM uses the Intelligent Termination Panel Data Link (ITPDL) to communicate with the Programmable Automation Controller (PAC) through its FPI/MTP pair. This digital network is designed to use Cat-5e cabling with standard RJ-45 connectors on both ends. The ITPDL is designed to operate in a Class-A ring topology with each ITP having two ports; "In" and "Out".

The ITPDL connections on the MTP are labeled "Start" and "End". Connect the "Start" port of the MTP to the "IN" port on the 7254-ITP-48AM. The "OUT" port connects to the "IN" port of the next 7254-ITP-48AM or in the case where it is the only unit on the link, the "OUT" port connects back to the "END" port on the MTP.

This creates a fault tolerant digital communications "loop" starting and ending at the MTP. This fully redundant link

ensures full and proper operation of the system even if one of the links is disconnected or otherwise compromised.

The 7254-ITP-48AM has a system status area running horizontally across the top of the unit, a control area arranged vertically on the right side, and the 48 zone main indicating area covering the largest part of the unit. These 48 red "Zone LED's" can be controlled by user logic and labeled with a slide in card.

**System Monitor & Interface**

The 7254-ITP-48AM has 6 dedicated "System Status" LED's in the top right section of the unit that automatically mimic their counterpart on the FPI and three system control Push Buttons (PB) duplicating those on the FPI:

- Alarm LED
- Acknowledge LED
- Acknowledge PB
- Trouble LED
- Silence LED
- Silence PB
- Supervisory LED
- Ground LED
- Reset PB

\* The pushbuttons require the keyswitch to be in the "Enable" position to work. In the "Run" position the pushbuttons are inactive. The key can only be removed when it's in the "Run" position.

**Releasing System Status**

There are 9 dedicated "Releasing System Status" LED's running across the top left section of the unit that automatically mimic their counterpart on the MTP:

- Enabled
- Pre-Discharge
- Water Flow
- Abort
- Discharge
- Sprinkler Supv
- Manual Release
- Post Discharge
- Power

**Software Compatibility**

The programming and configuration of the 7254-ITP-48AM is done via the Studio 5000 Logix Designer® programming environment and using structures added by the FireBus 1756-FPI-1002 Add On Profile (AOP).

\* Studio 5000 Version 32 and newer are supported.

System Monitor & Interface  
with 48 Zone Annunciator  
Part No 7254-ITP-48AM

**Control Platform:**  
FB-FirePAC

**Software Compatibility:**  
Studio 5000 Logix Designer  
Rev. 32 and up.

**Device Configuration:**  
Studio 5000 Logix Designer  
Add On Profile (AOP)  
for FPI, ITPs and FB-AP  
Series devices.

**Operating voltage:**  
18–30 VDC

**Communication protocols:**  
Common Industrial Protocol  
(CIP) to from FPI/MTP to  
ControlLogix logic solver.

FireBus "ITPDL" Intelligent Termination Panel Data Link between 7254-ITP-48AM and FPI/MTP.

**Current 24 VDC:**  
Total: 500 mA

**EMI/RFI compatibility:**  
ANSI/UL 864-2014  
10<sup>th</sup> Edition  
Section 84

**Temperature range:**  
Max. continuous operating  
158°F (70°C)  
Min. continuous operating  
-4°F (-20°C)  
(no condensation/icing)

Storage -40°F to +176°F  
(-40°C to +80°C)

**Humidity:**  
5 to 95% relative humidity  
(no condensation)

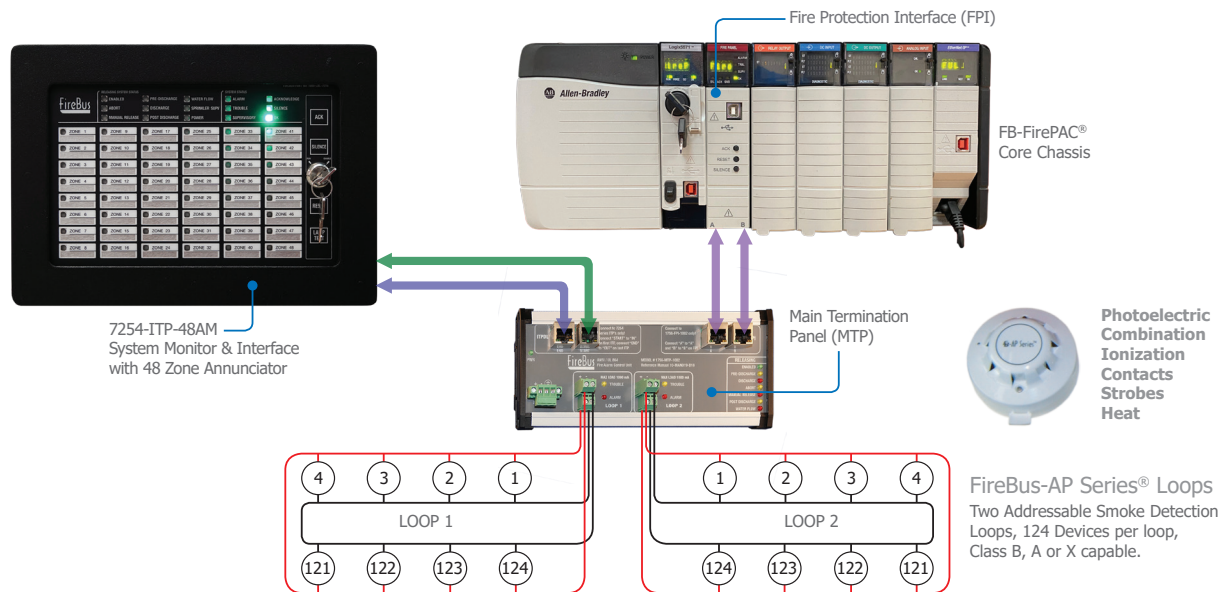
**Approvals:**  
Control Units and Accessories  
For Fire Alarm Systems  
[UL 864:2014 Ed. 10]

**Location rating:**  
Class I, Div. 2, Groups B,C,D  
(Pending)

**Dimensions:**  
12 1/4 in (311.2 mm) Wide  
8 5/8 in (219.1 mm) Tall  
1 3/4 in (38.1 mm) Deep

**Weight:**  
32 oz (907g)

**Materials:**  
ROHS compliant



### Ordering information:

- 1756-FPI-1002 Fire Protection Interface (FPI) module.
- 1756-MTP-1002 Main Termination Panel (MTP)
- 7254-ITP-48AM Annunciator Module