

FSA Device Quick Installation Guide



Safety instructions

- ! Please read this installation guide before using the **FSA** device.
- ! For certification compliance reasons, unauthorized use and/or modification of this product is prohibited by law.
- ! Use the equipment with supplied accessories only.
- ! Follow safety instructions to use the external power supply.
- ! Do not use the product if it is visibly damaged.
- ! Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Product overview

FSA (Fire Station Alerting) device is able to receive several radio systems. FSA is compliant with P25 conventional, P25 trunking phase I and II, POCSAG digital text messages, 2-tone and DTMF VHF and UHF analog networks. It plays audio messages and is equipped with 8 output relays to define actions. Actions can be triggered by programmed codes or signals or by input relays.

Product contents



FSA device

DIN power supply + main AC adapter

19" rack mounting brackets

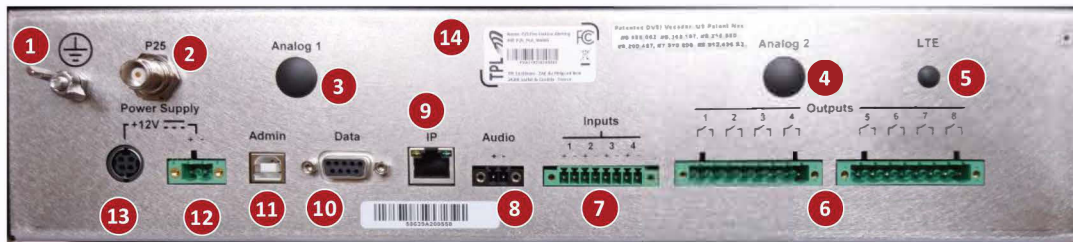
USB A/B cable

Female connectors

Female connectors color is subject to change.

Rear panel

Note : Model presented is P25_FSA_RH000 (TPL reference)



1	Grounding socket, green or green-yellow wire	8	Audio output : can be connected to external loud speaker amplifier, 600Ω, balanced
2	P25 radio antenna connector, TNC female	9	Ethernet connector, RJ45 female, <i>for future use</i>
3	Optional VHF or UHF analog antenna connector, TNC female if present	10	Data connector, SUB-D9 female, <i>for future use</i>
4	Optional VHF or UHF POCSAG antenna, TNC female if present	11	USB-B connector, for FSA programming and diagnostics
5	Optional LTE antenna connector, SMA female	12	2-pin male connector for external +12VDC power supply
6	Output signals : 8 relay outputs by dry contact	13	4-pin DIN male connector for provided power supply 12VDC / 4.2A max
7	Input signals : 4 relay inputs by dry contact, can be programmed as input trigger or input alarm	14	Tags : product tag with SN, MAC address, legal notice of DVSI patents re-use

Relay Inputs and Outputs can be programmed with optional **TPLp25** programming software.

How to power

Connect provided power supply to **13** DIN connector. Plug power supply to main 220-240VAC.

OR

Connect a +12VDC / 4A on **12** connector (from an external battery).

Both connectors **12** and **13** are exclusive of each other.

Front panel



LED Legend	
	LED is OFF
	LED is ON and solid in given color
	LED is ON and blinking in given color

1	Front panel speaker, 10W, 4Ω	4	<ul style="list-style-type: none"> : solid green, no error : solid red, current error : solid blue, Quiet Mode is active
2	Audio volume control (*): Turn clockwise to increase and counter clockwise to decrease Enable / Disable Quiet Mode : push for 2s (**)	5	For future use
3	<ul style="list-style-type: none"> : solid yellow, initiating phase at power-on : solid green, power is ON, Normal mode is active : solid blue, Quiet Mode is active (***) 	6	<ul style="list-style-type: none"> : solid green, digital P25 call is being received : blinking green, P25 carrier signal is detected (P25 trunk) : blank, no P25 carrier detected : solid yellow, analog call is being received

(*) : Volume control can be disabled in programming.

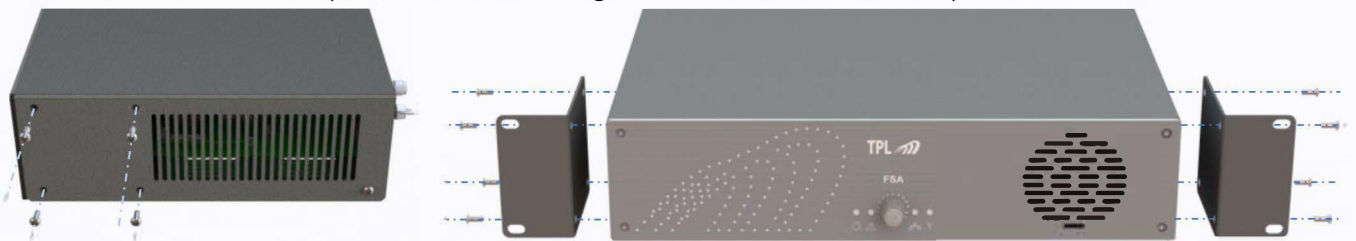
Volume level is briefly displayed on 4 LEDs as such : / / / (from lowest to highest)

(**) : From Normal Mode, a push switches FSA to Quiet Mode (at knob release) and vice-versa from Quiet Mode.

(***) Quiet Mode (or Night mode or Off-duty mode) : alerting only is received and played, monitoring messages are ignored. If an alert arrives, FSA quits Quiet Mode for the time of receipt + delay configured in programming. Ringtone on alert receipt is played with a ramp-up. After alert FSA goes back to Quiet Mode only if it was in Quiet Mode before alert AND current time is among Quiet Mode programmed time period.

How to mount into a 19" cabinet

Remove 4 screws from side panels. Insert mounting bracket on each side, and replace screws.



You can then fix FSA device on cabinet front posts on a shelf.

Standards compliance and Technical specifications

	TIA 603, FCC part 15 (A, B & G), RoHS, IK 07, IP2X
	Frequency bands : P25 Conventional and Trunking Phase I & II, 763-776 / 851-870 MHz POCSAG digital 136-174MHz / 434-470 MHz 2-tone and DTMF Analog VHF 136-174MHz / UHF 434-470MHz
	P25 sensitivity : < -116dBm , -119dBm typical
	Operating temperature 14°F to 122°F (-10°C to +50°C)
	Dimensions : case only length 38.5cm/15.1", overall depth 29.5cm/11.6", height 2U, weight 3.8kg/8.4lbs

Please refer to complete Installation and Programming Handbook for more information