



TLM-30/30F Instructions

1.0 DESCRIPTION

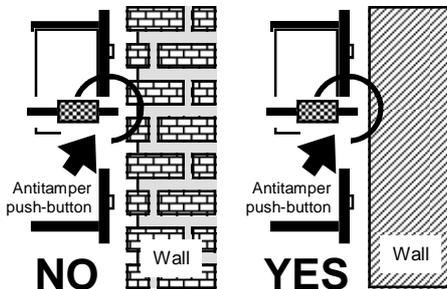
The **TLM-30** and **TLM-30F** are two sirens with battery back-up which feature the same characteristics except for the presence of an incorporated strobe in the **TLM-30F**. The sirens are protected both against the removal from their mounting surface and removal of the front cover. They are constructed in non-corrodible materials (plastic chassis, stainless steel inner plate, Peraluman 25 aluminium front cover protected with polyester paint).

The **TLM-30/30F** are completely protected against adverse atmospheric conditions, thus guaranteeing reliability in time. Other characteristics:

- Normally closed line
- N.C. contact (relay) which renders bi-directional the "dialog" with the control panel
- Alarm shut-off key
- Automatic alarm deactivation
- Automatic arming upon completion of installation
- External strobe activation (TLM-30F).

2.0 INSTALLATION

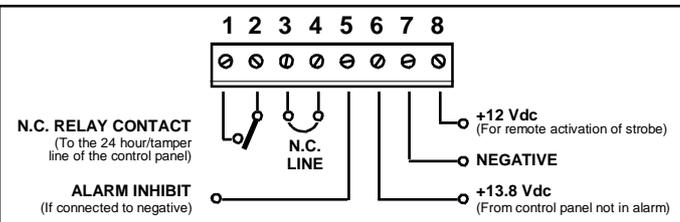
When the chassis is being fixed to its mounting surface, **verify** that the rear tamper switch is not in the vicinity of any holes or depressions.



During the installation procedure, **carefully check** that the 2 tamper push-buttons (front cover and chassis removal) close correctly.

If one or both push-buttons do **not close correctly**, this will cause the siren to **not arm automatically** when the installation is completed.

3.0 CONNECTIONS



Terminals 1, 2 - Normally closed relay contact which opens in the event the N.C. line (Terminals 3 and 4) is interrupted or one of the tamper switches is tripped. This output is to be connected to the control panel's 24 hour circuit.

Terminals 3, 4 - Normally closed line (N.C.). Opening the contact will trigger a tamper alarm. This must be connected to a normally closed contact. If Terminals 3 and 4 are not used (N.C. line), the bridge between them must not be removed.

Terminal 5 - Alarm inhibit. Connecting this terminal to negative will cut off the siren when in alarm. It is suggested to use a key switch for this application.

Terminals 6, 7 - Power necessary to keep battery back up always charged + - 13.8 Vdc. The absence of power on these terminals will trigger an alarm.

Terminal 8 - Remote strobe activation (**TLM-30F**). Connecting +12 Vdc will activate the strobe.

4.0 REMOTE ACTIVATION OF STROBE

This function (only available on **TLM-30F**) is very useful. It consents to activate the strobe to signal any type of event (hold-up) that only requires an optical alarm.

5.0 AUTOMATIC ARMING

The **TLM-30/30F** are been designed so that all the operations relative to the wiring and closure of the unit can be carried out without the unit sounding.

After having completed all connections, including those at the control panel, the TLM-30/30F will arm itself 10 seconds after the front cover is fixed into place.

6.0 AUTOMATIC SIREN SHUT-OFF

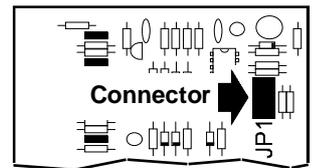
The **TLM-30/30F** are equipped with an automatic shut-off function, that if enabled, will shut-off the sounding of the siren after 5 minutes, while the strobe will continue to flash (**TLM-30F**) until the cause of alarm ceases.

This is only valid if the control panel's alarm time is more than 5 minutes.

This function is enabled by inserting the jumper on the connector marked "JP1" in the top right corner (see drawing below).

- Jumper "JP1" inserted → Auto shut-off enabled
- Jumper "JP1" not inserted → Auto shut-off disabled

Enabling this function avoids that the siren sounds until the battery runs flat in the event the control panel breaks down.



Note The **TLM-30/30F** are supplied with the jumper "JP1" installed.

7.0 OPERATION

Breaking the N.C. line and tamper attempts will cause a tamper alarm:

- The siren to sound
- The strobe to flash (**TLM-30F**)
- The relay to switch, relaying the alarm to the control panel.

■ If the alarm time of the control panel is less than 5 minutes, when the alarm condition ceases the NC contact of the relay will close. The siren and flasher (**TLM-30F**) will follow the alarm time of the control panel, both with jumper "JP1" installed or not.

■ If the alarm time of the control panel is more than 5 minutes and "**JP1**" is **installed**, when the alarm condition ceases the NC contact of the relay will close. The siren will sound only for 5 minutes, while the flasher (**TLM-30F**) will continue to be activated until the alarm condition ceases.

■ If the alarm time of the control panel is more than 5 minutes and "**JP1**" is **not installed**, when the alarm condition ceases the NC contact of the relay will close. The siren and flasher (**TLM-30F**) follow the control panel's alarm time.

Interruption of the +13.8 Vdc source from the control panel will cause:

- The siren to sound
- The strobe to flash (**TLM-30F**)

■ If the alarm time of the control panel is less than 5 minutes the siren and flasher (**TLM-30F**) will follow the alarm time of the control panel, both with jumper "JP1" installed or not.

■ If the alarm time of the control panel is more than 5 minutes and "**JP1**" is **installed** the siren will sound only for 5 minutes, while the flasher (**TLM-30F**) will continue to be activated until the alarm condition ceases.

■ If the alarm time of the control panel is more than 5 minutes and "**JP1**" is **not installed**, the siren and flasher (**TLM-30F**) follow the control panel's alarm time.

8.0 ALARM DISABLING

Enabling this function permits, via a remote key, to disable the siren's sounder and strobe even with a cause of alarm present.

Note. Even with this function active any attempt to tamper with the siren (removal from its mounting surface or removal of the front cover), will cause the relay to switch and relay this condition to the control panel.

9.0 TECHNICAL CHARACTERISTICS

- Power supply: 13.8 Vdc
- Current drain in stand-by: 4 mA
- Current drain in alarm (**TLM-30F**): 2.4 A
- Relay contact rating: I_{max} = 1 A
- Acoustic power output: 125 dB (at three metres)
- Battery housing: 12 Vdc - max 7 A/h
- Dimensions: 280x195x85 mm
- Weight: 2.2 Kg

