



شركة المصنع السعودي لأجهزة الإطفاء
SAUDI FACTORY FOR FIRE EQUIPMENT Co.

Empowering
a Safer Future for
the Kingdom



Fire Pump
Control Panels

Technical
Data
Sheets

Quality Approvals for Various Products and Services



GPX Series – Electric Fire Pump Controllers



General Description

SFFECO UL/FM Fire Pump Systems are equipped with high-performance Tornatech control panels, designed to ensure reliable and fully compliant operation during fire emergencies. These advanced controllers provide automatic and manual pump starting, continuous system monitoring, and precise control of electric or diesel-driven fire pumps. Built in accordance with UL, FM, and NFPA standards, Tornatech panels offer user-friendly interfaces, robust construction, and intelligent diagnostics for enhanced safety and efficiency. With features such as real-time status indication, alarm signaling, and fail-safe operation, SFFECO fire pump controllers deliver dependable performance when it matters most.

General Features

- ❖ ViZiTouch 2.1 operator interface
- ❖ Pressure and event recorder
- ❖ Voltage and amperage display
- ❖ Single operator for both isolating switch and circuit breaker
- ❖ Surge arrestor
- ❖ Lifting lugs
- ❖ Run test push button
- ❖ Available with automatic power transfer switch
- ❖ Emergency start handle
- ❖ Start and stop pushbuttons
- ❖ Locked rotor protector
- ❖ Phase reversal indication
- ❖ Remote start / deluge valve start provision
- ❖ Pressure transducer and run test solenoid valve externally mounted
- ❖ Gland plate
- ❖ Alarm buzzer
- ❖ Alarm contacts for remote indication
- ❖ Available with full voltage and reduced voltage starting

Electric Fire Pump Controllers:

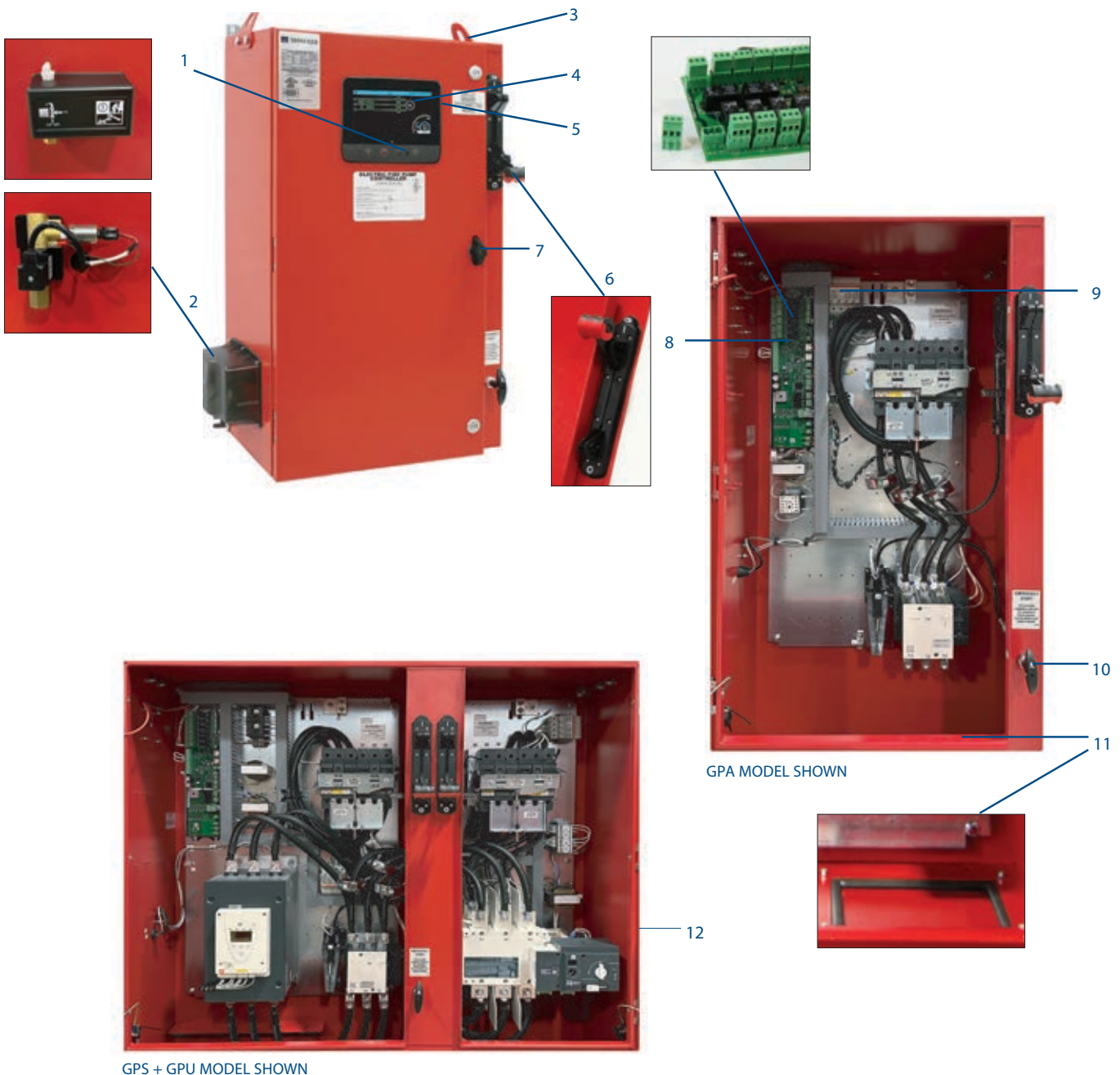
- ❖ Designed for use with electric motor driven fire pumps.
- ❖ Available in a wide variety of full and reduced voltage starting methods.
- ❖ Manufactured in accordance with the NFPA 20 standard, UL listed and FM Approved.
- ❖ ViZiTouch 7 inch Color Touch Screen Operator Interface (HMI technology)
- ❖ Models range from 208 to 600 volt, 5 to 500 horsepower, 50 / 60 Hz

Electric Fire Pump Controllers With Automatic Transfer Switch:

- ❖ Required if normal utility power is not reliable
- ❖ Housed in a barriered compartment or in a separate enclosure attached to the fire pump controller
- ❖ Listed and Approved for fire pump service
- ❖ Equipped with a transfer switch TEST pushbutton

GPX Series – Electric Fire Pump Controllers

1. Alarm buzzer
2. Externally mounted pressure transducer and run test solenoid valve with protective cover
3. Lifting Lugs
4. ViZiTouch 2.1 operator interface
5. Side USB device connector
6. Custom designed Isolation switch / Circuit breaker operator handle
7. Key lock
8. Remote alarm contacts with removable terminals
9. Surge arrestor
10. Custom designed emergency start mechanism with integrated limit switch
11. Gland plate
12. Automatic power transfer switch



GPD – Diesel Engine Fire Pump Controllers



General Features

- ❖ ViZiTouch 2.1 operator interface
- ❖ Pressure and event recorder
- ❖ Battery voltage and amperage display
- ❖ Run Test push button
- ❖ HAND - OFF - AUTO selector switch
- ❖ Manual crank pushbuttons (2)
- ❖ Stop pushbutton
- ❖ Remote start / deluge valve start provision
- ❖ Pressure transducer and run test solenoid valve externally mounted
- ❖ Gland plate
- ❖ Alarm buzzer
- ❖ Alarm contacts for remote indication
- ❖ Weekly exercise programmable time clock
- ❖ Crank cycle
- ❖ Programmable automatic shutdown (minimum run timer)
- ❖ Programmable sequential start timer (delay start timer)

General Description

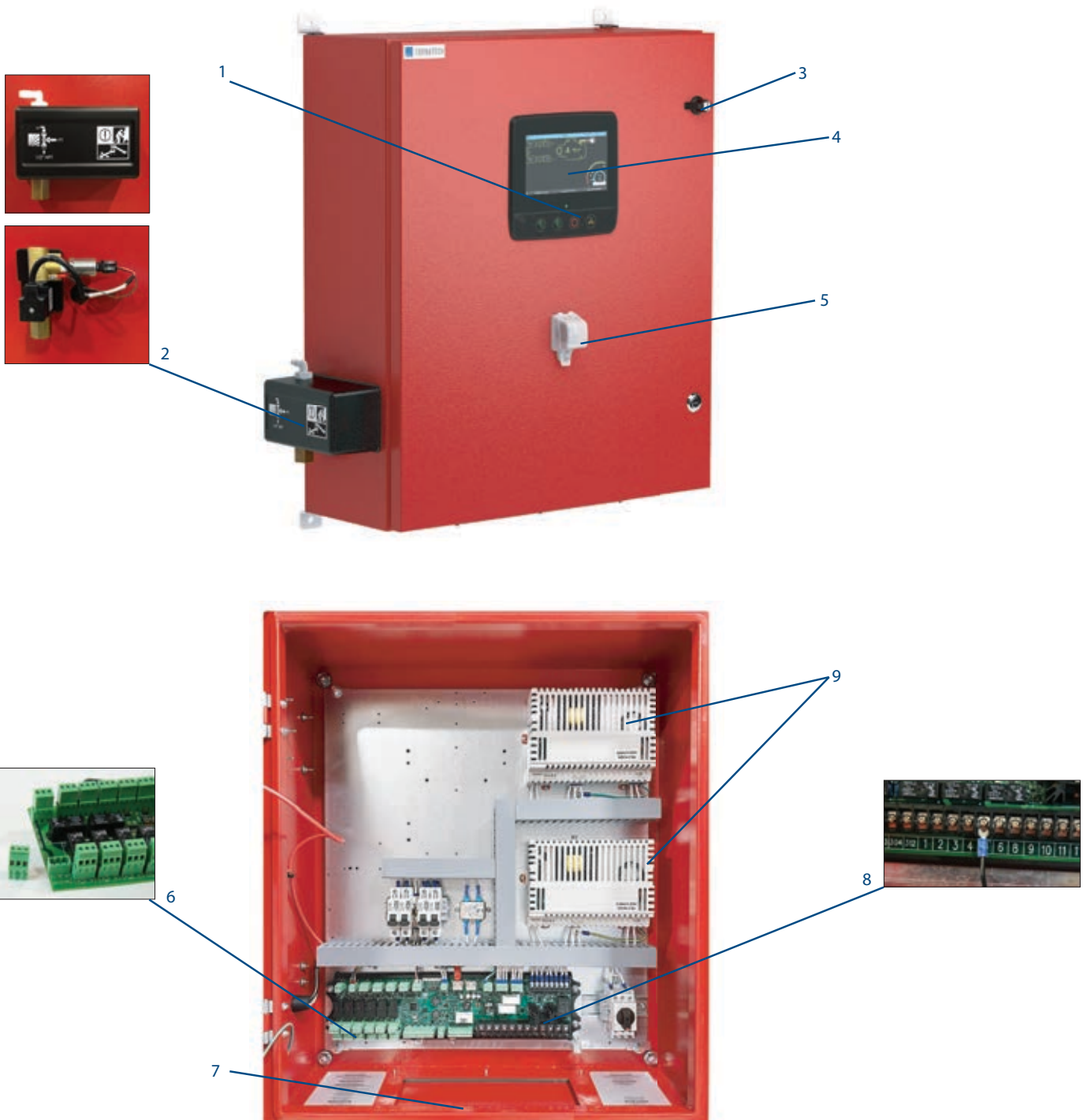
SFFECO UL/FM Fire Pump Systems are equipped with high-performance Tornatech control panels, designed to ensure reliable and fully compliant operation during fire emergencies. These advanced controllers provide automatic and manual pump starting, continuous system monitoring, and precise control of electric or diesel-driven fire pumps. Built in accordance with UL, FM, and NFPA standards, Tornatech panels offer user-friendly interfaces, robust construction, and intelligent diagnostics for enhanced safety and efficiency. With features such as real-time status indication, alarm signaling, and fail-safe operation, SFFECO fire pump controllers deliver dependable performance when it matters most.

Diesel Fire Pump Controllers:

- ❖ Designed to control Diesel Engine driven Fire Pumps
- ❖ Manufactured in accordance with the NFPA 20 standard, UL listed and FM Approved
- ❖ Manual and Automatic Operation
- ❖ Built in Battery Chargers
- ❖ Pressure and event Recorder

GPD - Diesel Engine Fire Pump Controllers

1. Alarm buzzer
2. Externally mounted pressure transducer and run test solenoid valve with protective cover
3. Key lock
4. ViZiTouCh 2.1 operator interface
5. HAND-OFF-AUTO selector switch
6. Remote alarm contacts with removable terminals
7. Gland Plate
8. Automotive type engine connections
9. Battery chargers



JPLT – Jockey Pump Controller



General Description

SFFECO UL/FM Fire Pump Systems are equipped with high-performance Tornatech control panels, designed to ensure reliable and fully compliant operation during fire emergencies. These advanced controllers provide automatic and manual pump starting, continuous system monitoring, and precise control of electric or diesel-driven fire pumps. Built in accordance with UL, FM, and NFPA standards, Tornatech panels offer user-friendly interfaces, robust construction, and intelligent diagnostics for enhanced safety and efficiency. With features such as real-time status indication, alarm signaling, and fail-safe operation, SFFECO fire pump controllers deliver dependable performance when it matters most.

General Features

- ❖ ViZiLT operator interface
- ❖ All adjustments on door front
- ❖ Visual indicators
- ❖ H-O-A position
- ❖ System pressure
- ❖ Adjustable in PSI, BAR
- ❖ Cut-out and Cut-In pressure setting
- ❖ Manual motor run
- ❖ Automatic motor run
- ❖ Motor overload (occured)
- ❖ Pump start counter
- ❖ Elapsed time meter (hours / non-resettable)
- ❖ Timers
- ❖ Minimum run period timer
- ❖ Sequential start timer
- ❖ Operators
- ❖ Main disconnect handle
- ❖ HAND-OFF-AUTO pushbuttons
- ❖ MENU navigation pushbuttons
- ❖ Audible alarm
- ❖ NEMA 2 enclosure
- ❖ Pressure transducer
- ❖ Type-F fuse-less magnetic motor starter

The model JPLT jockey pump controllers are specifically designed to control jockey pumps in order to maintain the desired water pressure in fire pump serviced systems. A jockey pump installation prevents unnecessary starting of the fire pump due to small leaks in the sprinkler system piping.

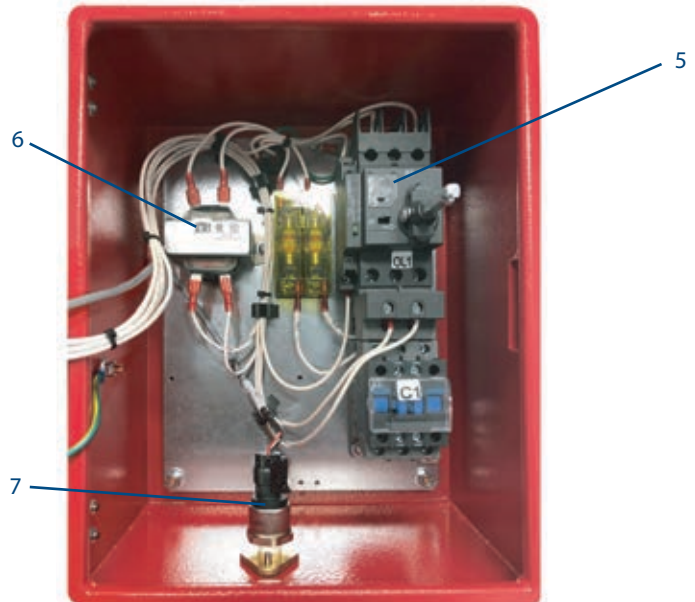
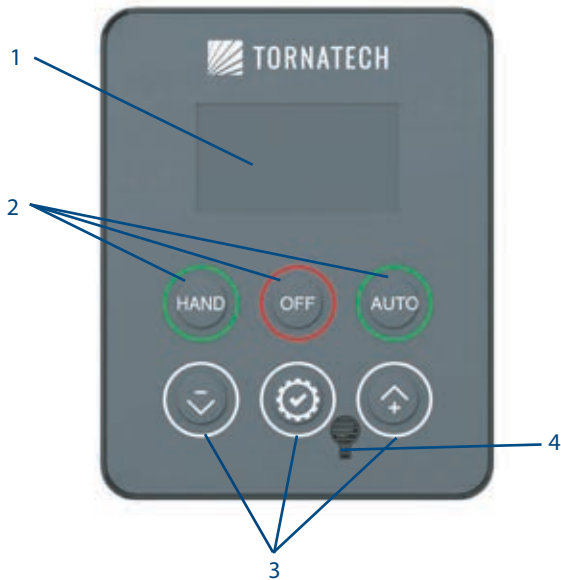
The model JPLT jockey pump controller is supplied with the front door mounted with ViZiLT operator interface. The ViZiLT allows the user to set and adjust all parameters required such as start and stop pressures, ON or OFF timers and units of measure (psi and bar) without having to open the controller door. The ViZiLT also continuously displays the system pressure and the start and stop pressure settings.

Visual indications include H-O-A position, system pressure, manual motor run, automatic motor run, motor overload, pump start counter and elapsed time meter (hours / non-resettable)

The standard power circuit consists of a Type-F fuse-less motor starter and protector for across the line full voltage starting.

JPLT - Jockey Pump Controller

1. High luminosity alphanumeric digital display
2. HAND-OFF-AUTO pushbuttons
3. MENU navigation pushbuttons
4. Audible alarm
5. Type -F fuse-less magnetic motor start
6. Control power transformer and fuses
7. Pressure transducer



HOW TO ORDER: JPLT - V / HP / Ph / Hz / Options

Ex.: JPLT- 208 / 2 / 3 / 60 / A6, D19



Since 1983, SFFECO has been a trusted name in fire protection, known for innovation and quality worldwide.

With state-of-the-art facilities in Riyadh and Dubai, we deliver a complete range of firefighting solutions that meet international standards.

Our innovative approach and comprehensive product portfolio make SFFECO the one-stop destination for reliable fire protection products and services.

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