
MV SERIES CONTROL PANELS

25/04/2018

General Description

PLC Local Control Panels for Mechanical & Ventilation fans with RS485 Modbus communication to Firemen Remote Panel (FRP)

- > Rapid Installation
- > Savings in FR Cabling Works
- > Cost Savings of about 30%

Some of Our Projects...

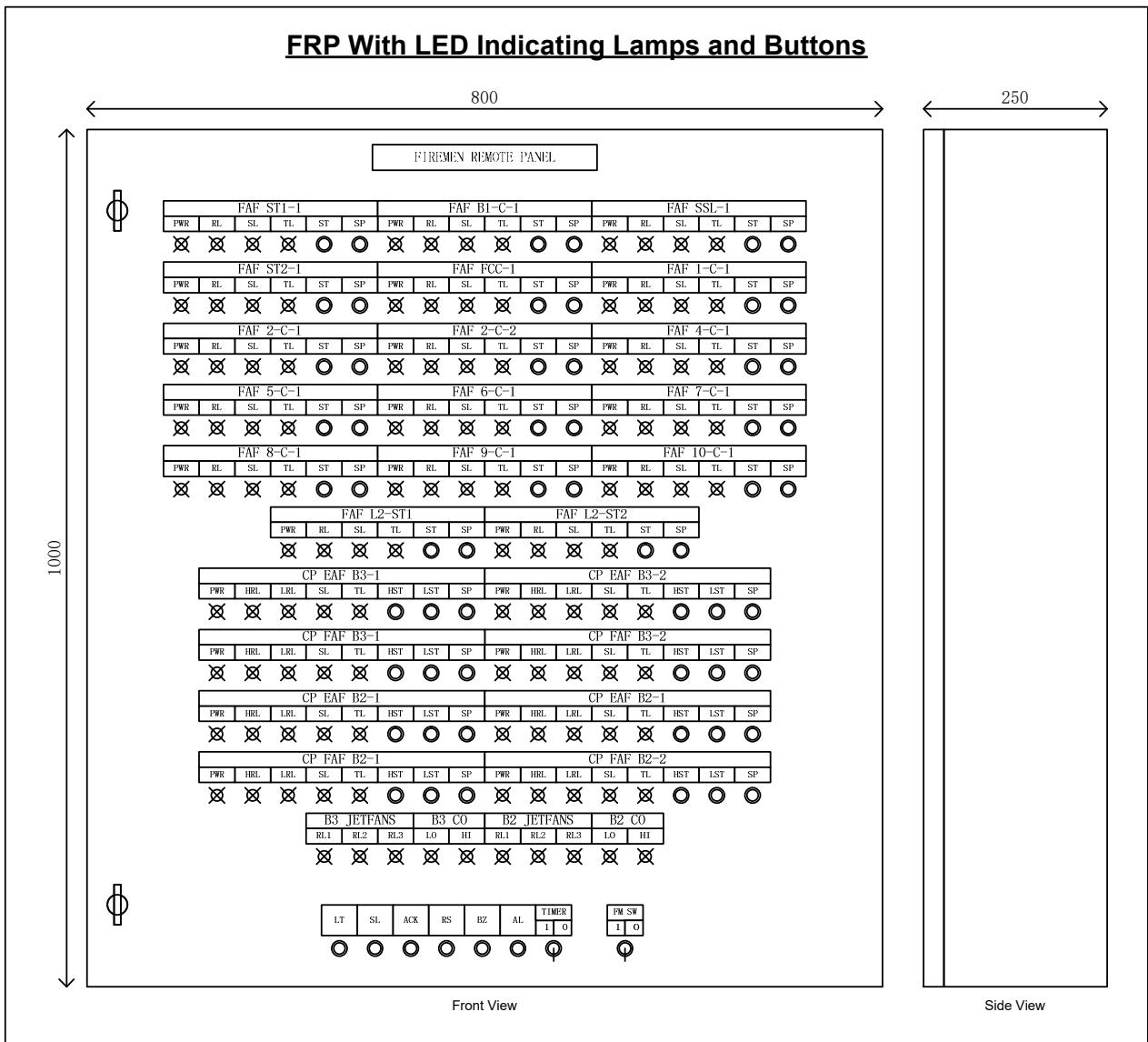


General Description

Firemen Remote Panel (FRP) with PLC Network to MV Fan Local Control Panels.
Interlocking with Fire Alarm and Timer

General Features

- ❖ IP55 Enclosure. Incoming MCB and Control Fuse.
- ❖ Equipped with Master PLC Controller for Remote Monitoring and control of MV Fan system
- ❖ Firemen Mode Selector and Timer Mode Selector. Local Start/ Stop buttons. LED Indicating Lamps for Run/ Stop/ Trip/ Fire Alarm Status
- ❖ Interlock with Timer and Fire Alarm Panel
- ❖ RS485 Modbus network to Local Control Panels



Models

Descriptions

MV-FRP

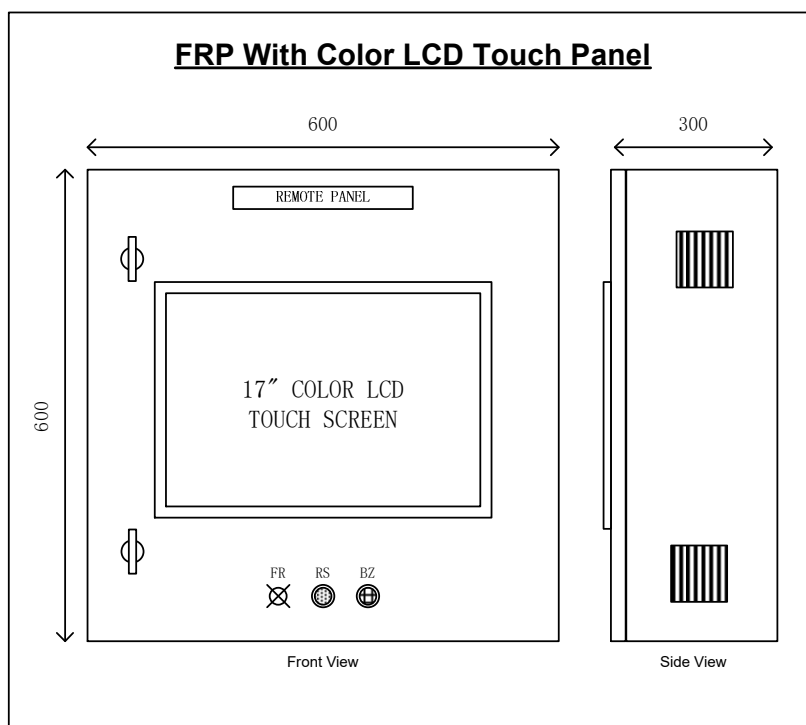
Note: Customized for specific configuration of MV Fan system

General Description

Color LCD Touch Panel Firemen Remote Panel (FRP) with PLC Network to MV Fan Local Control Panels. Interlocking with Fire Alarm and Timer

General Features

- ❖ IP55 Enclosure. Incoming MCB and Control Fuse.
- ❖ Equipped with Color LCD Touch Panel for Remote Monitoring and control of MV Fan system
- ❖ Graphics User Interfaces for Firemen Mode Selector and Timer Mode Selector. Local Start/ Stop buttons. LED Indicating Lamps for Run/ Stop/ Trip/ Fire Alarm Status
- ❖ Interlock with Timer and Fire Alarm Panel
- ❖ RS485 Modbus network to Local Control Panels
- ❖ Energy efficient and compact in size, ideal for buildings with small Fire Command Centre (FCC)



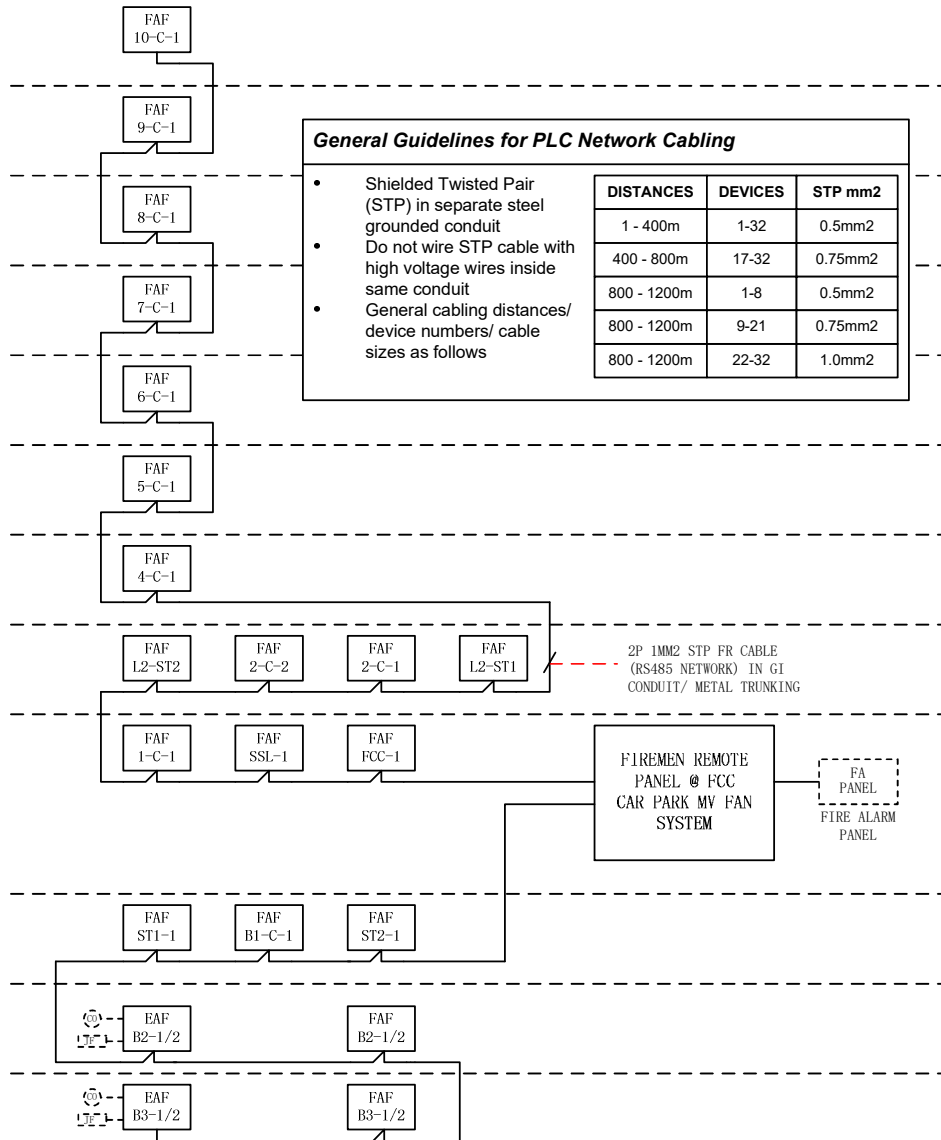
Models

Descriptions

MV-FRP-17TP

Note: Customized for specific configuration of MV Fan system

PLC SYSTEM - SINGLE LINE DRAWING



General Features

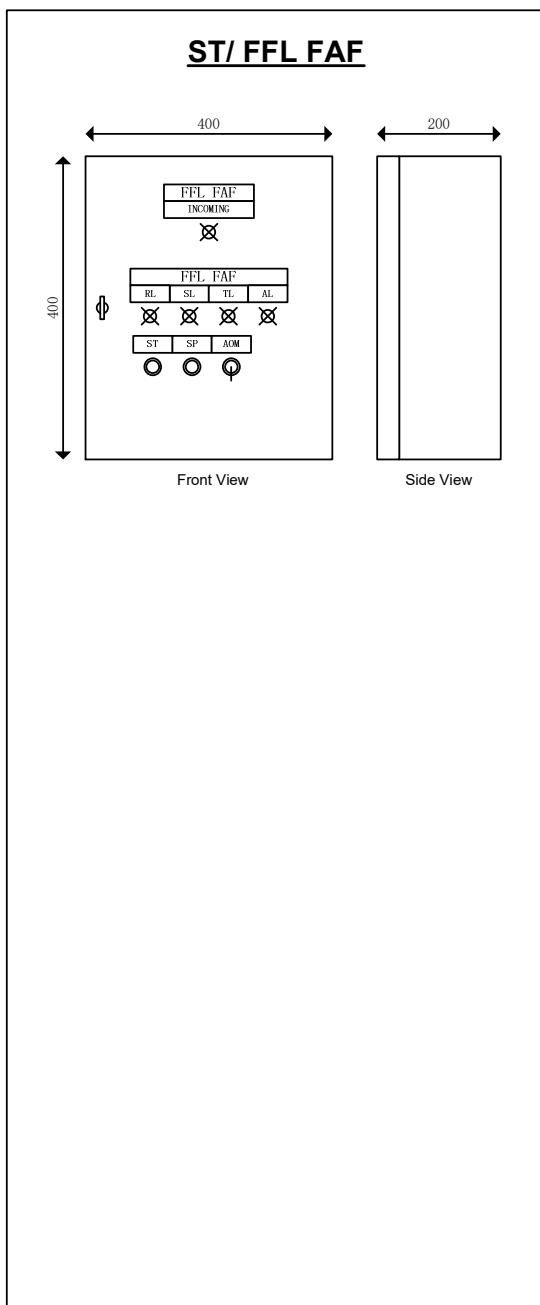
- ❖ Firemen Remote Panel (Models MV-FRP or MV-FRP-17TP)
- ❖ RS485 Modbus Network to Local Control Panels
- ❖ Maximum 1,200 meters using 2P STP 1mm2 FR Cables

General Description

PLC Control Panel for Staircase/ Firemen Lift Lobby FAF, with PLC Network to Firemen Remote Panel.
Interlocking with Timer and Fire Alarm

General Features

- ❖ IP55 Enclosure. Incoming MCB and Control Fuse.
- ❖ Equipped with IP2-RTU MkII Controller. Control for FAF with DOL starter with TOR
- ❖ AOM Model Selector. Local Start/ Stop buttons. LED Indicating Lamps for Run/ Stop/ Trip/ Fire Alarm Status
- ❖ Interlock with Timer and Fire Alarm
- ❖ RS485 Modbus network for interface with Firemen Remote Panel (FRP)



Models

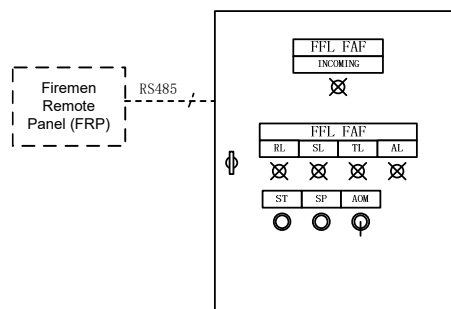
Descriptions

MV-ST-FAF - [P/ kW]

MV-FFL-FAF - [P/ kW]

Note: [P/ kW], indicates Phase/ kW ratings of Motor (< 3kW)

Interfaces

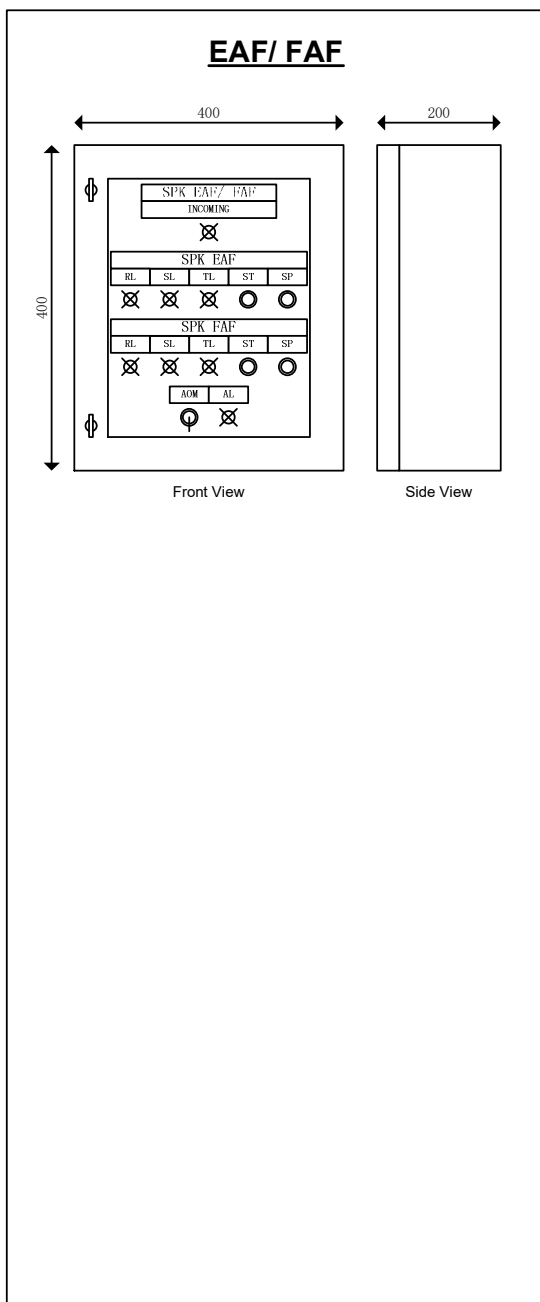


General Description

PLC Control Panel for EAF/ FAF Sprinkler Pump Room, with PLC Network to Firemen Remote Panel.
Interlocking with Sprinkler Pump Run Status

General Features

- ❖ IP55 Enclosure. Incoming MCB and Control Fuse.
- ❖ Equipped with IP2-RTU MkII Controller. Control for EAF/ FAF with 2 x DOL starters with TOR
- ❖ AOM Model Selector. Local Start/ Stop buttons. LED Indicating Lamps for Run/ Stop/ Trip/ Fire Alarm Status
- ❖ Interlock with Sprinkler Pump Run status
- ❖ EAF/ FAF Control Interlock
- ❖ RS485 Modbus network for interface with Firemen Remote Panel (FRP)



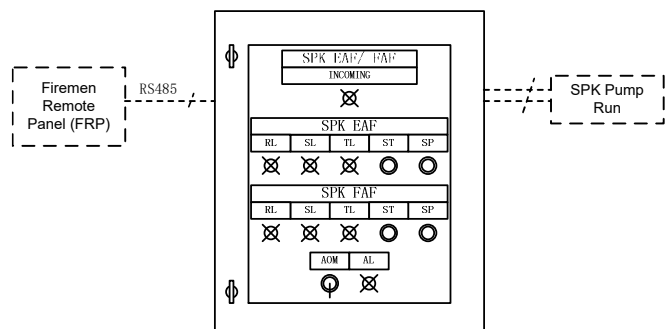
Models

Descriptions

MV-SPK-EAF/FAF - [P/ kW]

Note: [P/ kW], indicates Phase/ kW ratings of Motor (< 3kW)

Interfaces

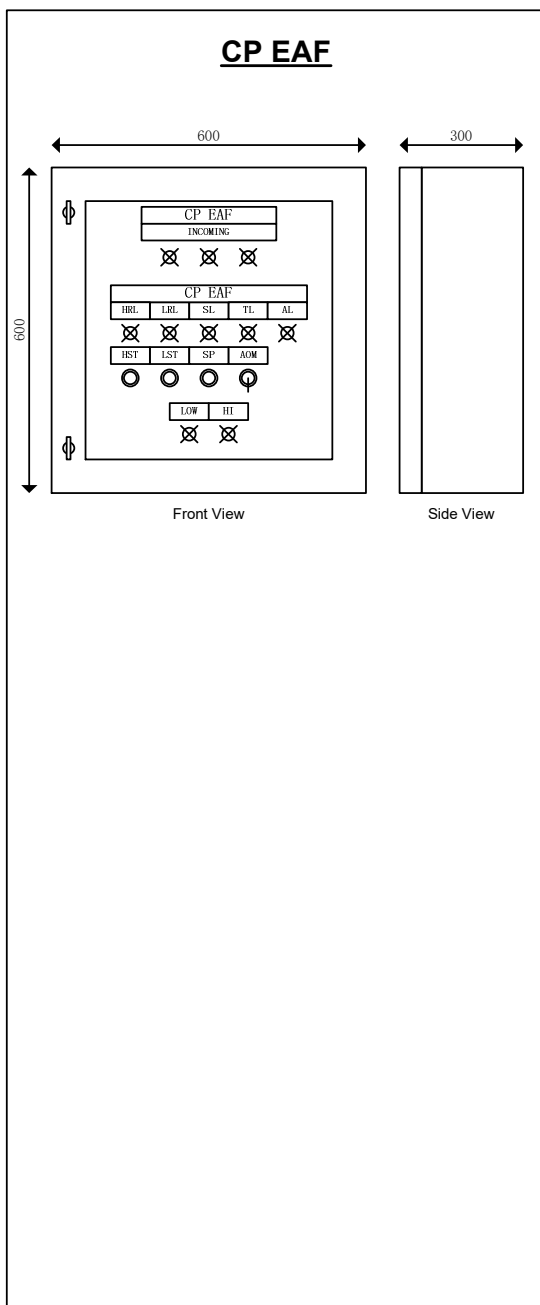


General Description

PLC Control Panel for Car Park EAF, with PLC Network to Firemen Remote Panel.
Interlocking with CO sensor and Fire Alarm

General Features

- ❖ IP65 Enclosure. Incoming MCB and Control Fuse.
- ❖ Equipped with IP2-RTU MkII Controller. Control for EAF with VSD
- ❖ AOM Model Selector. Local High Start/ Low Start/ Stop buttons. LED Indicating Lamps for High/ Low Run/ Run/ Stop/ Trip/ CO High/ CO Low/ Fire Alarm Status
- ❖ Interlock with Timer, CO sensor and Fire Alarm
- ❖ RS485 Modbus network for interface with Firemen Remote Panel (FRP)



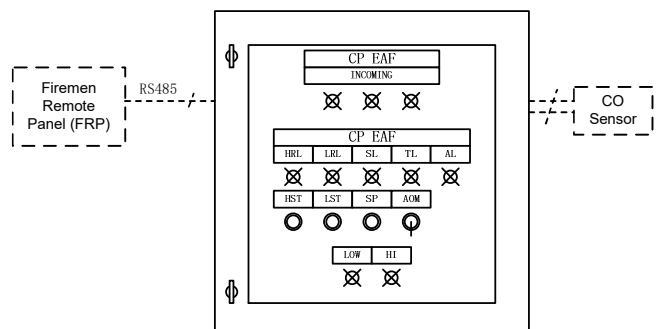
Models

Descriptions

MV-CP-EAF-VSD - [P/ kW]

Variable Speed Drive (VSD) for 2 Speed Control
Note: [P/ kW], indicates Phase/ kW ratings of Motor

Interfaces

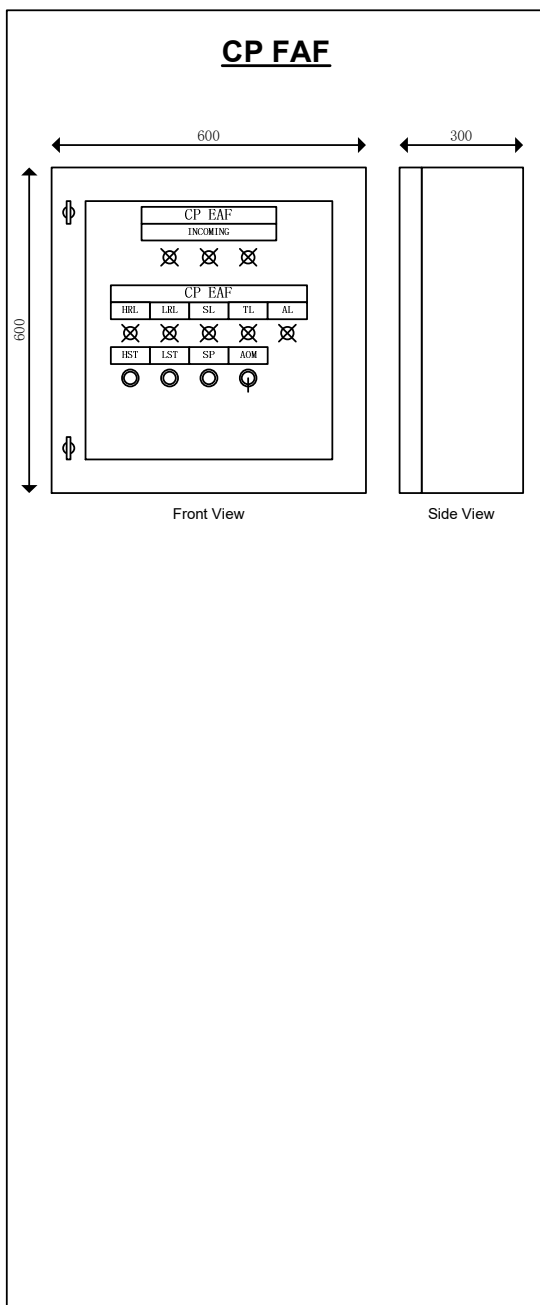


General Description

PLC Control Panel for Car Park FAF, with PLC Network to Firemen Remote Panel.
Interlocking with Car Park EAF and Fire Alarm

General Features

- ❖ IP65 Enclosure. Incoming MCB and Control Fuse.
- ❖ Equipped with IP2-RTU MkII Controller. Control for FAF with VSD
- ❖ AOM Model Selector. Local High Start/ Low Start/ Stop buttons. LED Indicating Lamps for High/ Low Run/ Run/ Stop/ Trip/ CO High/ CO Low/ Fire Alarm Status
- ❖ Interlock with Car Park EAF and Fire Alarm
- ❖ RS485 Modbus network for interface with Firemen Remote Panel (FRP)



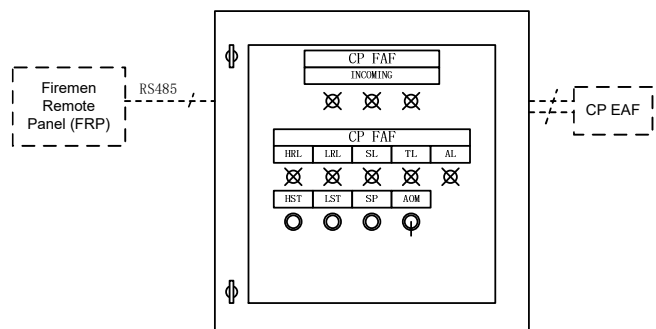
Models

Descriptions

MV-CP-FAF-VSD - [P/ kW]

Variable Speed Drive (VSD) for 2 Speed Control
Note: [P/ kW], indicates Phase/ kW ratings of Motor

Interfaces

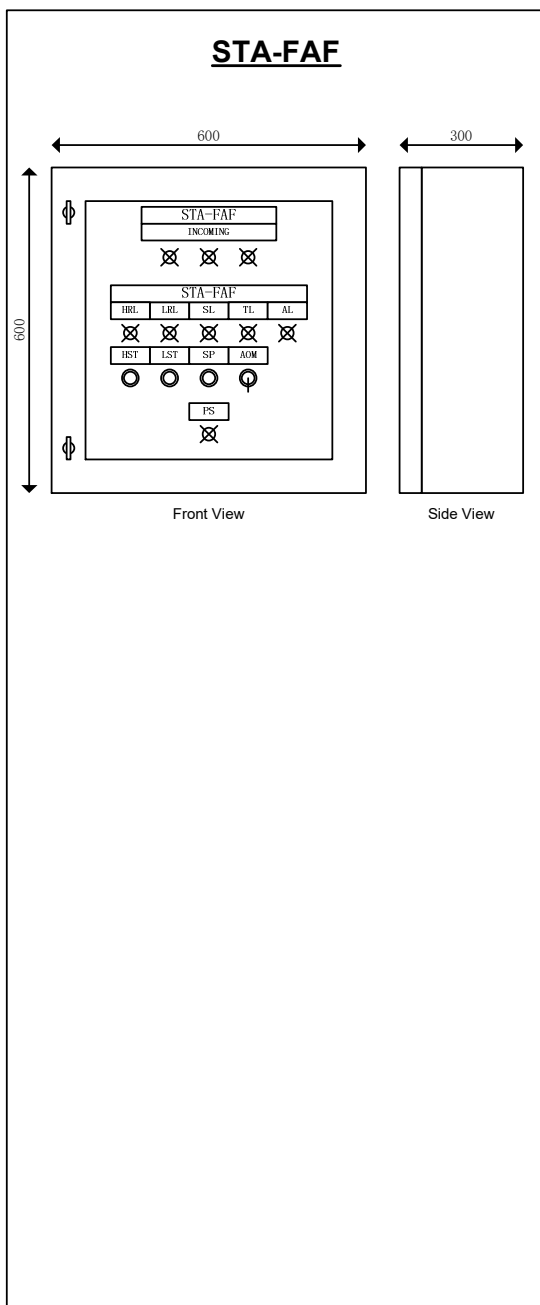


General Description

PLC Control Panel for Staircase Pressurization Fan with PLC Network to Firemen Remote Panel.
Interlocking with Differential Pressure Sensor and Fire Alarm

General Features

- ❖ IP65 Enclosure. Incoming MCB and Control Fuse.
- ❖ Equipped with IP2-RTU MkII Controller. Control for Staircase FAF with VSD
- ❖ AOM Model Selector. Local High Start/ Low Start/ Stop buttons. LED Indicating Lamps for High/ Low Run/ Run/ Stop/ Trip/ Pressure Switch/ Fire Alarm Status
- ❖ Interlock with Timer, Differential Pressure sensor and Fire Alarm
- ❖ RS485 Modbus network for interface with Firemen Remote Panel (FRP)



Models

Descriptions

MV-STA-FAF-VSD - [P/ kW]

Variable Speed Drive (VSD) for 2 Speed Control
Note: [P/ kW], indicates Phase/ kW ratings of Motor

Interfaces

