

Description

The 605-24 Voltage Monitor protects equipment (motor and compressor) by monitoring incoming line voltage and automatically disconnecting the protected equipment in the event of the following occurrences:

- Phase Loss (Single Phase)
- Low Voltage (Brownout/Sag)
- High Voltage (Overvoltage/Surge)
- Imbalance (Voltage)
- Contactor Failure

Application

The Model 605-24 Voltage Monitor provides protection against the premature electrical failure of three phase motors and includes “short cycle” protection for compressors. This Controller is especially suited for protection of compressors utilized in HVAC and refrigeration installations. The model 605-24 Voltage Monitor can be used on any three phase motor regardless of motor size that operates on 208, 230, 240, 460 and 480V AC.

Features and Benefits

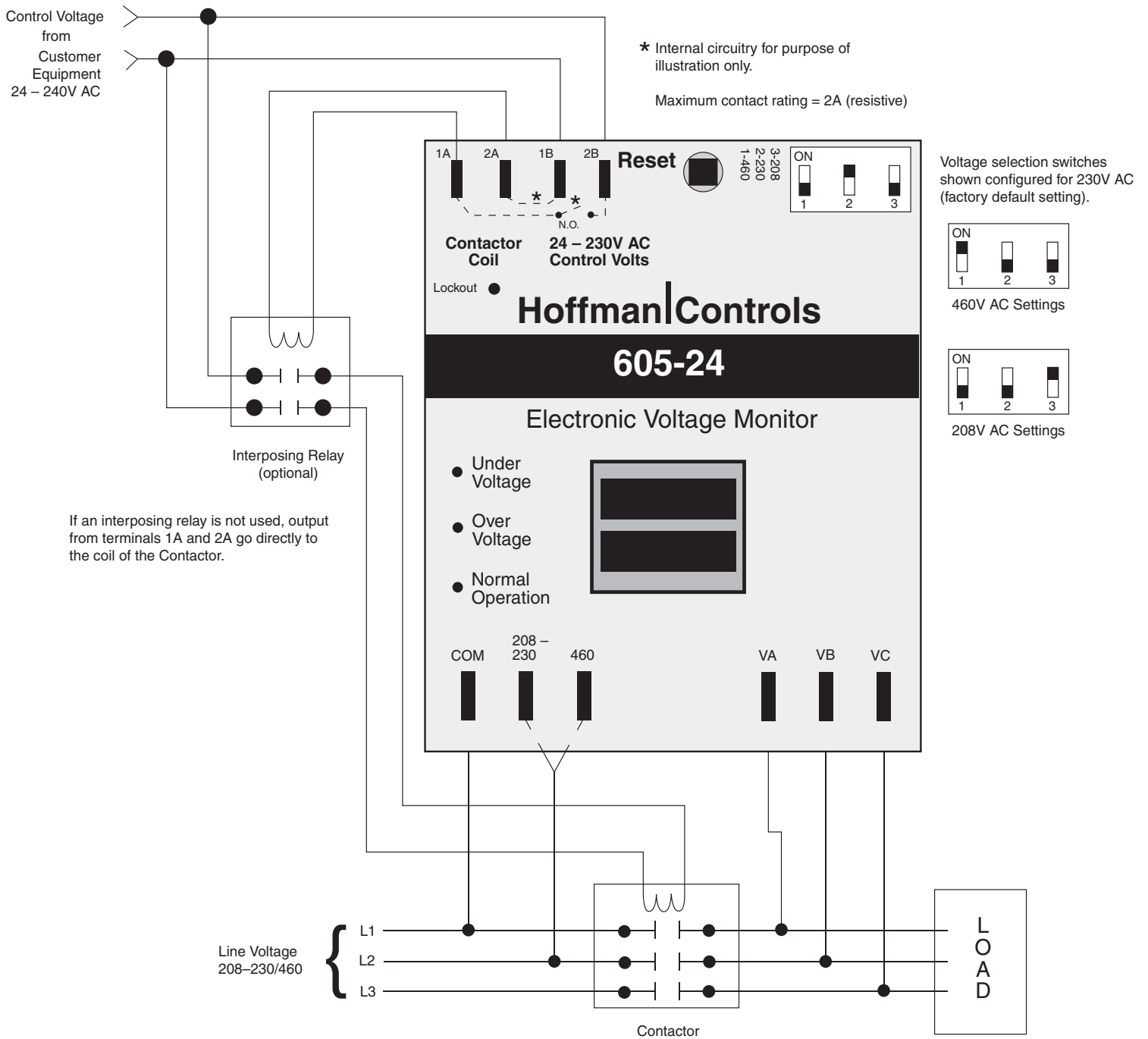
- Low cost, economical protection
- Monitors load side of contactor for failure faults
- Identifies failure type
- Bright LED indicators
 - Red LED indicates fault status
 - Green LED indicates normal operation
- Protects against nuisance trips
- Automatically resets up to three times
- Built in short cycle protection
 - Three minute short cycle timer
- Lockout occurs after 3 default starts
 - Manual reset required
- Monitored voltage 208, 230, 240, 460 & 480V AC
- Voltage tolerance is $\pm 12\%$
- Easy Installation



605-24 Voltage Monitor

Specifications

Unit Power, Nominal	208/230/240 or 460/480V AC
Voltage Monitored, Nominal	208/230/240/460/480V AC
Control Voltage, Nominal	24V – 230V AC
Frequency	60 Hz
Contacting Coil Output, Continuous	2 Amps
Short cycle timer	3 minutes
Interrogation timer	5 seconds
Lockout	After 3 resets
Lockout Reset	Manual reset on PC Board, or removal of unit power
Trip Level	
High	+ 12% of line nominal
Low	- 12% of line nominal
Imbalance	30% of line nominal
Automatic Reset	3 times (max.)
Humidity	non-condensing
Dimensions (L x W x H)	7.00" x 5.00" x 1.38"



605-24 Voltage Monitor Typical Wiring Diagram

Hoffman Controls