

Equipment Information

General Notes

- Nameplate - White background with black letters
 - Minimum 1/4" high etched letters
 - Attach with silicone and stainless steel machine screws, washer, and nuts on inside
- Wire labels - White background with black letters
 - Permanent letters on tags, write on tags not permitted

Control Systems Hardware

Spec Section 17441

- Outdoor panels - NEMA 4X
 - Hoffman or approved equal → let's do Saginaw
 - Min 24" H x 20" W x 10" D
 - Rubber Gasketed Continuous Hinge Door?
- Heater for condensation control
 - Chose Saginaw SCE-TSH50 with Finder 7T.81.0.000.2403
 - Minimum 2.36" thermal safety gap on all sides
 - 40-80° fahrenheit
 - N.C. thermostat control
 - dedicated circuit breaker protection
 - 120VAC operating voltage
- Lighting
 - 1 door controlled if enclosure >12ft³
- Surge Suppressor
 - Think I'm only going to need it for 480V
 - Citel DS43S-480
- **Motor protection relay by others**
- Circuit Breakers
 - Typical Weidmuller circuit breakers should be fine
- Relays
 - General Relays - Harmony RXM Series

Voltage	DPDT	3PDT	4PDT
24VDC	<u>RXM2AB2BD</u>	<u>RXM3AB2BD</u>	<u>RXM4AB2BD</u>
120VAC	<u>RXM2AB2F7</u>	<u>RXM3AB2F7</u>	<u>RXM4AB2F7</u>

- Timing Relay - 9050 JCK Plug-in Timers
 - 0-60 second adjustable time delay

Voltage	On-Delay	Off-Delay
120VAC	<u>9050JCK13V20</u>	<u>9050JCK23V20</u>

- Pilot Lights

Color	Model
Green	<u>9001SKT38LGG31</u>
Red	<u>9001SKT38LRR31</u>
Amber	<u>9001SKT38LYA31</u>

► Pushbutton

Component	Model
Pushbutton Head	<u>9001SKR1B</u>
NO Contact	<u>9001KA2</u>
NC Contact	<u>9001KA3</u>

- Alternating Relay
 - SPDT
 - 10A @ 240VAC contact
 - 120VAC coil voltage
 - Two LED indicator lamps
 - 10,000,000 expected mechanical operation lifespan
 - 100,000 expected electrical operation lifespan
 - Selector switch to lock out load
 - Going with: Eaton D851LT
- Intrinsically Safe Relay
 - Eaton: MTL5516C
- Heater
 - Appropriately sized Saginaw touch safe heater: SCE-TSXXX
- Thermostat
 - Finder 7T.81.0.000.2403

Spare Parts

Section 17441-3.02

- 5 spare control relays for each type used
- 5 fuses of each type and rating