General Note:
Functions shown in this drawing are for a distribution feeder application (87LOZ REF function is not shown).

Notes:
1. Latched pushbutton switch emulates drop down menu for "IG/I0 signal Sel" parameter in PCM600.
Switch position shown for default setting (Calc Io).
2. Rotary switch emulates drop down menu for "Pol Signal Sel" parameter setting in PCM600.
Switch position shown for default setting (Calc Vo).
3. "Pol Signal Sel" parameter setting Calc Vo, and 59N-1 function not applicable for open delta connected VTs.
**General Notes:**

1. Style and code numbers for FT-1 switches provide black covers and handles, screw terminals and standard depth. Poles selection follows arrangement shown in this drawing set. For custom designs, different selection options can be made by using FT-1 configurator at [ft1switch.com](http://ft1switch.com)

* For relay voltage connections shown set Analog input Voltage 'VT connection' setting to Wye'. Refer to application manual for alternate connections to relay for open delta connections using 'Delta' VT connection setting.
1. Binary I/O shown is from default PCM600 Application Configuration Tool (ACT). Connections shown are typical though more connections may be needed for specific application.

2. Connections are Trip Circuit Supervision without an external resistor. For this application the Trip Circuit Monitoring function is blocked when the circuit breaker is open. Refer to technical manual for connections with and external resistor to monitor trip coil when breaker is open or closed.

General Notes:
DC SCHEMATIC - INPUTS (TYPICAL)

RELAY ORDER CODE: NAFAAAA3FFxxxAx1xx

ABB Protective Relays and Switches, Coral Springs FL, U.S.A.
CONNECTION DIAGRAM-RELAY

RELAY CODE: NAFAAAA3FFxxxAx1xx
CONNECTION DIAGRAM-FT-1 SWITCHES

RELAY CODE: NAFAAAA3FFxxxxAx1xx

ABB Protective Relays and Switches, Coral Springs, U.S.A.