



PC-Config Tips

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◆ General Rules

Five Versions of Software

- CHLR- Reciprocating, scrolls & step capacity screws
- CHLS- Semi Hermetic continuous loading screws
- CHLO- Open drive continuous loading screws
- CHLC- Centrifugal compressors
- CHLM- Mitsubishi compressors

◆ **General Rules When Building A Config**

- Start with config of correct type & modify
- Open config of correct type & save under new name
- Start with left TAB, modify , save & close
- Move off last block at completion of TAB
- Save at completion of each TAB or sooner

◆ General Rules For Completed Configurator

- Bring up PC-Connect & plug into Demo Test Unit
- Download New Configurator
- Set Sensors in Manual with reasonable values
- Set Amps between Setpoints #76 and #112
(Low Amps & No Stop)
- Save under test version name
(don't lose manual settings)

◆ Specific Rules

- Relay Output Order
 - Compressors (Position 1st relay output of a circuit)
 - Condensers (Position 1st relay output of a circuit)

*See section 'Circuit relay output sequence examples (software)'
in
MCS-8 Manual Rev. 4.8*

◆ Specific Rules

- Barrel Heater Implementation
 - RO Info tab- *(Assign relay output for Barrel Heater)*
 - SI Info tab- *(Assign sensor input for ambient temperature)*
 - Chiller V8 tab- *(in Evaporator info setup Barrel heater RO)*
 - Setpoint tab- *(in setpoint info setup set point 40)*

◆ Specific Rules

- Two compressor recip, 1 circuit, 1 unloader
 - RO Info tab- *(Assign relay output for compressor 1)*
(COMP1, LLS1, UNLD1) (3 RO's)
(Assign relay outputs for compressor 2)
(COMP2, LLS2) (2 RO's)
 - SI Info tab- *(Assign sensor inputs, common suct & disc)*
(Separate oil & amps)

◆ Specific Rules

- Two compressor recip, 1 circuit, 1 unloader
 - Chiller V8 (General info)-
 - Number circuits = 2 (allows individual safeties)
 - Number steps = 3 (defines 2 comps & 1 unloader)
 - Chiller V8 (Circuit)-
 - Circuit 1 will have 3 RO's & 1 unloader
 - Circuit 2 will have 2 RO's
 - Circuit 1 & 2 LLS RO's will be wired to the same solenoid
 - Circuit 1 & 2 will both point to the same suct & disc xducers
 - Circuit 1 & 2 will both point to the same condenser RO's
 - Each circuit will point to its own oil & amp sensor

◆ Specific Rules

- Digital input (Oil temp) / Set point (#94)

- Chiller V8 tab-

In circuit assign digital sensor input to 'OIL TEMP'

- Setpoint tab-

In setpoint 94 change name to reflect alarm. When alarm occurs system will pick up set point name and add circuit number.

◆ Specific Rules

- Digital input (Motor temp) / Set point (#95)
 - Chiller V8 tab- In circuit assign digital sensor input to 'MOTOR TEMP'
 - Setpoint tab- In set point 95 change name to reflect alarm. When alarm occurs system will pick up set point name and add circuit number.