



Carrier

A United Technologies Company

REPLACEMENT COMPONENTS DIVISION

SERVICE BULLETIN

SUBJECT: PSIO to CCM Wiring

NUMBER: C9814

DATE: 6-1-98

SUPERSEDES:

DATE:

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MODELS AFFECTED: 19XR Chillers with O2XR5 Compressors

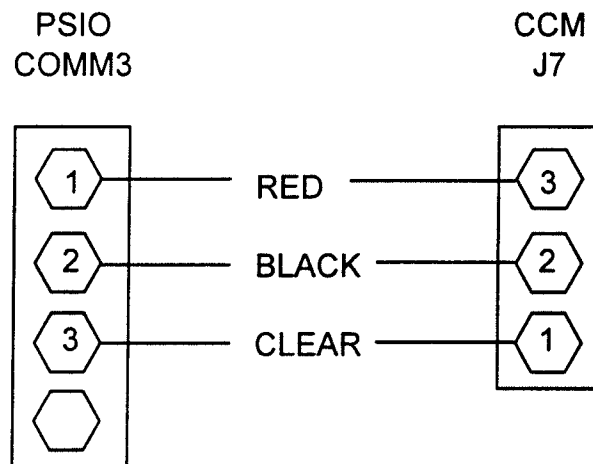
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PURPOSE:

To inform the field of a wiring scheme different than the "standard" PIC SIO bus between the PSIO and the CCM (Chiller Control Module). This wiring applies to PIC controls with a PSIO module only.

INFORMATION:

The wiring shown on the wiring diagram mounted on the machine is correct. The CCM does not follow "normal" SIO convention. On the PSIO (COMM3), J8-1 is positive and J8-3 is negative. On the CCM, J7-1 is negative and J7-3 is positive. The PSIO to CCM SIO bus should be wired as shown below.



The DIP switch settings for the CCM should be as follows:

Switch No.	1	2	3	4	5	6	7	8
Position	ON	ON	ON	ON	OFF	ON	OFF	ON

If the dip switches are wrong or if the communication wires are reversed, the compressor will not start and the message "Protective Limit - Diffuser Position Fault" will be displayed.