



DATE: 3-16-2004 Rev 3 Fix DI 11 and C 13 DRAWN: P.Gaudreau



PRODUCT: DATAGUARD 5.0 RETROFIT KIT  
 ITEM: FEATURE ENHANCEMENT  
 DRAWING: 0S-DGCM-OM REV: 03  
 ARCHIVE: 0S-DGCM-OM\_REV02.VSD

DATE: 12-14-2002 DRAWN: DROHR CHECKED: GSUDERGILL  
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**DATAGUARD 5.0 RETRO - FIT KIT FOR DX AND CW UNITS TO REPLACE DG 1 , 2.0 , 3.0 , 3.1 , 3.2**

| PIN     | LEVELS          | DEFINITION                               | WIRE # FOR DX UNIT | WIRE # FOR CW UNITS | FIELD CONNECTION # |
|---------|-----------------|--|--------------------|---------------------|--------------------|
| DI 1    | DIGITAL INPUT   | AIRFLOW ALARM                            | 527                | 527                 | TERMINAL 1         |
| DI 2    | DIGITAL INPUT   | CLOGGED FILTER ALARM                     | 531                | 531                 | TERMINAL 2         |
| DI 3    | DIGITAL INPUT   | PAN OVER FLOW* OR WATER DETECTOR ALARM   | 529, 510           | 529, 510            | TERMINAL 3         |
| DI 4    | DIGITAL INPUT   | LOW PRESSURE 1                           | 558, 515           | NA                  | TERMINAL 4         |
| DI 6    | DIGITAL INPUT   | LOW PRESSURE 2                           | 559                | NA                  | TERMINAL 5         |
| DI 7    | DIGITAL INPUT   | WATER FLOW SWITCH                        | 512, 519, 553      | 512, 519, 553       | TERMINAL 6         |
| DI 8    | DIGITAL INPUT   | FIRE ALARM                               | 533                | 533                 | TERMINAL 7         |
| DI 9    | DIGITAL INPUT   | SMOKE DETECTOR ALARM                     | 535                | 535                 | TERMINAL 8         |
| DI 10   | DIGITAL INPUT   | FREEZE-UP ALARM                          | 525                | NA                  | TERMINAL 9         |
| DI 11+  | DIGITAL INPUT   | HIGH HEAD PRESSURE 1                     | 513                | NA                  | TERMINAL 10        |
| DI 12+  | DIGITAL INPUT   | HIGH HEAD PRESSURE 2                     | 516                | NA                  | TERMINAL 11        |
| AO 1    | ANALOG          | COOL ( CW ) PC/ECWS OR DAMPER 6 TO 9 VDC | 511, 538, 556      | 511, 538, 556       | TERMINAL 12        |
| AO 2    | ANALOG          | HEAT 0 TO 10 VDC                         | 520, 522           | 520, 522            | TERMINAL 13        |
| R1 NO   | DIGITAL OUTPUTS | BLOWER                                   | 502, 505, 503      | 502, 505,503        | TERMINAL 14        |
| R2 NO   | DIGITAL OUTPUTS | ELECTRIC HEAT STAGE 1                    | 520                | 520                 | TERMINAL 15        |
| R3 NO   | DIGITAL OUTPUTS | ELECTRIC HEAT STAGE 2                    | 522                | 522                 | TERMINAL 16        |
| R4 NO   | DIGITAL OUTPUTS | HUMIDIFIER                               | 509                | 509                 | TERMINAL 17        |
| R5 NO   | DIGITAL OUTPUTS | COMPRESSOR 1 SOLENOID                    | 511, 530           | NA                  | TERMINAL 18        |
| R6 NO   | DIGITAL OUTPUTS | COMPRESSOR 1 CONTACTOR                   | 511, 524           | NA                  | TERMINAL 19        |
| R7 NO   | DIGITAL OUTPUTS | COMPRESSOR 2 SOLENOID                    | 514                | NA                  | TERMINAL 20        |
| R8 NO   | DIGITAL OUTPUTS | COMPRESSOR 2 CONTACTOR                   | 514                | NA                  | TERMINAL 21        |
| R9 NO   | DIGITAL OUTPUTS | UNLOADER COMP. 1                         | 517                | NA                  | TERMINAL 22        |
| R10 NO  | DIGITAL OUTPUTS | UNLOADER COMP. 2                         | 575                | NA                  | TERMINAL 23        |
| R11 C   | DIGITAL OUTPUTS | COMMON ALARM                             | 549                | 549                 | TERMINAL 24        |
| R 11 NO | DIGITAL OUTPUTS | COMMON ALARM                             | 548, 615           | 548, 615            | TERMINAL 25        |
| 24V AC  | INPUT           | POWER                                    | 501, 501A          | 501, 501A           | TERMINAL 26        |
| NEUTRAL | INPUT           | GROUND                                   | 601, 602, 607, 605 | 601, 602, 607, 605, | TERMINAL 27        |

**Notes (Field):**

**Cap off wires 507,508,555,521,and 525.**

**One (\*) is for ceiling mount units only.**

**CW stands for Chilled Water units and DX stands for Compressorized units.**