



**IN / OUT DESCRIPTION**

**POWER:** Between 100V and 240V, field installed by electrical contractor.

**FAN:** Max 4Amp when driven directly by the controller - need an external interface relay/contacter when load > 4Amp. (Need external power up to 240V)

**DEFROST:** Always use an external interface relay or contactor for electric defrost. (Need external power up to 240V)

**LIGHTING:** Max 2.4A @ 240V or 3.6A @ 120V when driven directly by the controller - use an external interface relay/contacter when load is over. (Need external power up to 240V)

**RS485/DC OUT:** Commucation for remote display option

**NETWORK:** Echelon type 2#18, Stranded, 7/26 UTP (Unshielded Twisted Pair) Belden 8461 type or Equivalent, field installed by the EMS Contractor

**Pevap:** Pressure transducer used with T°Evaporator to calculate Superheat (see note A)

**Tevap:** 10K T° sensor P/N #023-0076 used for super heat (Blue)

**Tair:** 10K T° sensor P/N #023-0073 used for alarm monitoring (Green)

**Tdef:** 10K T° sensor P/N #023-0072 used for end defrost (Orange)

**Aux:** Aux T° or P sensor for auxiliary Temperature or Pressure monitoring.

**Di1/Di2:** Configurable switches for following applications: Clean switch, Door ajar & Dual temperature case  
Type of switch: software, remote or local

**Antisw:** Pulse output 5VDC/15mA max to control external solid state relay for Anti sweat heater (SSR supplied by case manufacturer)

**VALVE:** Stepper motor EEV (see note B)

**NOTE A**

**Pressure transducer ordering information**

PSIS	Without cable	With 19' cable	Connection	Application
200	23-0397	952-0012	1/4" SAE Flair femelle with deflator	Standard Refrigerant
652	23-0370	952-0008	1/4" SAE Flair femelle with deflator	CO2
200	23-0148	952-0004	1/8" NPT male	Standard Refrigerant
652	23-0441	952-0018	1/8" NPT male	CO2

Sensor with 50' cable are available on special order

**NOTE B**

**ELECTRIC EXPANSION VALVES SUPPORTED**

<b>SPORLAN:</b> SEI 0.5, 1, 2, 3.5, 6, 8.5, 11, 30 SER 1.5, 6, 11, 20, SER-AA, SER-A, SER-B, SER-C, SER-D SERI-J, SERI-G, SERI-K
<b>EMERSON:</b> EX4, EX5, EX6
<b>DANFOSS:</b> ETS 50, 100, 250, 400

DATE	DESCRIPTION	REV.
--	----	07
--	----	06
--	----	05
--	----	04
2015-09-08	Changed sensor connector	03
2015-05-15	Modified annotation & layers R.L.	02
2015-03-31	Relays rating R.L.	01

SYSTEM :  
**REFRIGERATION**

AUTOMATISATION / CONTROL :

**Parker**  
Micro Thermo Technologies™  
12855 Rue Brault, Mirabel  
Quebec, Canada J7J 0C4  
Tel: (450) 668-3033  
Fax: (450) 668-2695

TITLE:  
**CASE CONTROLLER  
GEN 2 WIRING**

PART#:  
**961-651D G2**

Drawn By : D.P.	Designed By : L.M.	Approved By : L.M.	Revision : 03
Scale : N.T.S	Date : 2014-12-05	File Name : Case Controller 961-651D G2	