

E32

February 2007

**CAREL****Smart**
system**CAREL ELECTRONIC CONTROLS****ir33****New Generation!**

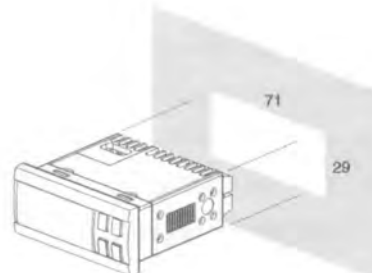
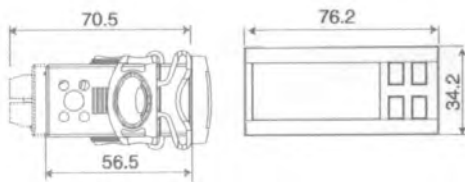
Following ir32, one of CAREL's most famous and best selling controllers, the ir300 range represents the maximum technology that CAREL offers in the field of refrigeration applications.

The top-of-the-range model characterising the new series arouses special interest as it can be fitted with all the options available: infrared remote control, programming key, repeater display, high efficiency LED display, HACCP function, real time clock, RS485 serial port, second evaporator defrost management, without sacrificing the 4 control relays and the 115 to 230 Vac switching power supply.

All obviously in the same dimensions as the current ir32 case!

Another unique feature concerning this new series of controllers is the possibility to manage smart defrosts, optimising the management of this function, with consequent energy savings.

Finally, one very important aspect involves the IP65 index of protection; the modern technology implemented by CAREL for the moulding of the plastic parts has allowed the protection gasket to be integrated directly into the front panel, without the need to add accessory components to the product that may create an unpleasant aesthetic and visual impact.

**REFRIGERATION CONTROLS**

All models are fitted with a buzzer and can be connected to the Carel Supervisory system (PlantVitor) via the RS485 interface. Please note that Temperature Sensors are not included; please choose the probe that you require from the options below.

REALCOLD STOCK NO.	MODEL	COMPRESSOR	DEFROST	FAN	AUX	INFRARED	REAL TIME CLOCK	PRICE \$ excl GST
12/24 V AC/DC VERSION								
G4501	IR33SOLR00	16A	-	-	-	YES	-	POA
G4503	IR33COLR00	16A	8A	8A	8A	YES	-	
230 V AC VERSION								
G4505	IR33SOER00	8A	-	-	-	YES	-	POA
G4507	IR33FOER00	8A	8A	5A	-	YES	-	
115/230 V AC VERSION								
G4509	IR33COHR00	16A	8A	8A	8A	YES	-	POA
G4511	IR33COHB00	16A	8A	8A	8A	YES	YES	

TEMPERATURE SENSORS

G4550	NTC015WP00	IP68 Immersion sensor 1.5m cable. Temp. range -50..+100 C						POA
G4552	NTC060WP00	IP67 Immersion sensor 6.0m cable. Max temp =+100 C						

ACCESSORIES

REALCOLD STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl GST
G4302		Standard Enclosure W/Cut-out	POA
G4306		Enclosure for All Panel Mount Controllers Suitable for all standard 70mm x 28mm panel mount controllers.	
G4530	IRTRRES000	Remote Control	
G4540	IROPZ48500	RS485 Serial Card	



ELECTRONIC CONTROLLERS

FAN SPEED CONTROLLER - PRESSURE ACTUATED



Type ELE

REALCOLD STOCK NO.	MODEL	DESCRIPTION	PRICE \$ excl GST
Single Phase Controller			
G1121	Saginomiya RGE-Z1N4-5	Pressure Actuated Fan speed controller Factory set for R22, R404a, R407c and adjustable for use with R134a. For approved motors rated from 0.2 - 4 Amps. Single phase. Capillary pressure sensor Range 8 - 28 Bar adjustable 4 Bar fixed proportional band	POA
G1123	Saginomiya RGE-Z1N6-5	Pressure Actuated Fan speed controller Factory set for R410a Refrigerant. Single Phase, 4 Amps, IP54.	
G1124	Saginomiya RGE-Z1Q4-5	Pressure Actuated Fan speed controller Factory set for R22, R404A, R407C Refrigerants adjustable for use with R134a. Single Phase, 8 Amps, IP54.	
Three Phase Controller			
G1122	Saginomiya RGE-X3R4-7	Pressure Actuated Fan speed controller Factory set for R22, R404A, R407C Refrigerants adjustable for use with R134a. Three Phase, 5 Amps, IP54.	POA

SAGINOMIYA ELECTRONIC THERMOSTATS

G1072	ELERD11010	Digital Thermostat Range: -50 to +30°C Differential: 1.2 to 6°C Adjustable Min 0.5°C	POA
REFER TO "T" SECTION FOR MECHANICAL THERMOSTATS			

LOCKED IN COLD ROOM ALARM



Locked in cold room alarm
emergency use only
push to alarm
pull to release



COLD ROOM – LOCKED IN ALARM

The purpose of the alarm is to provide cold stores and atmosphere controlled stores with optical and acoustic alarms as a safety precaution against the risk of being locked in a low temperature room due to an accident, power cut, etc.

REALCOLD STOCK NO.	DESCRIPTION	PRICE \$ excl GST
V0220	Emergency alarm for persons trapped in cold stores	POA

SPECIFICATIONS

Power Supply	230V ~ 50/60 Hz	Auxiliary relay	10A
Nominal Current – Normal – Alarm	50 mA 200mA	Lighting unit ambient temperature range	-25°C to + 40°C
Light+Alarm autonomy time	16 HR	Power source ambient temperature range	-5°C to +40°C
Sound Level	110 decibels at 1m	Lighting unit dimensions	75x75x50mm
Batteries	12 V	Power source dimensions	250x150x100mm

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VARIABLE SPEED DRIVES

REALCOLD STOCK NO.	MODEL	KW RATING	IP20	IP54	PRICE
VARIABLE SPEED DRIVES					
E1003	SED2-0.37/32X	0.37	•		POA
E1005	SED2-0.55/32X	0.55	•		
E1007	SED2-0.75/32X	0.75	•		
E1009	SED2-1.1/32X	1.1	•		
E1011	SED2-1.1/35X	1.1		•	
E1012	SED2-1.5/32X	1.5	•		
E1013	SED2-1.5/35X	1.5		•	
E1015	SED2-2.2/32X	2.2	•		
E1017	SED2-2.2/35X	2.2		•	
E1019	SED2-3.0/32X	3.0	•		
E1021	SED2-3.0/35X	3.0		•	
E1023	SED2-4.0/32X	4.0	•		
E1025	SED2-4.0/35X	4.0		•	
E1027	SED2-5.5/32X	5.5	•		
E1029	SED2-5.5/35X	5.5		•	

All Drives include standard EMC filtering.

Options:

- B Class EMC Filtering
- Communication Modules (LON,P1,etc)
- Gland plate sizes A,B or C
- 230VAC single phase input to 230VAC 3 phase output drives
- Larger Sizes up 600Kw

