



## **ir33**

### **ir32/ir33 compatibility table**

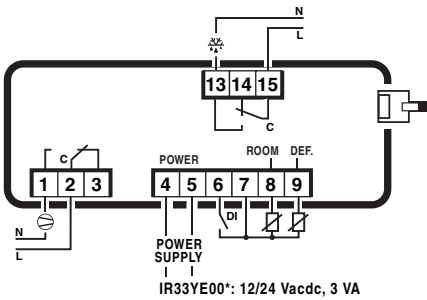
CAREL provides you a useful tool for assisting in the changeover from ir32 to **ir33**.

Inside you will find the wiring diagrams for the ir32 line, which can be matched to one or more versions of **ir33**, as well as the list of the ir32 codes with corresponding **ir33** versions.

The new **ir33** is more versatile and powerful than its predecessor. The operating logic follows the same scheme, and the appearance is similar in many ways, however the functions have been upgraded. As a result, changing over from the old range to the new one is simple and convenient.

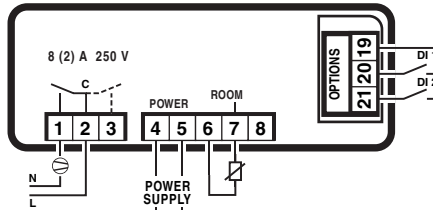
Most of the models are fitted with 16 A (3/4 Hp) relays for controlling compressors.

**IR32Y0L000**  
**IR32Y0LBR0**



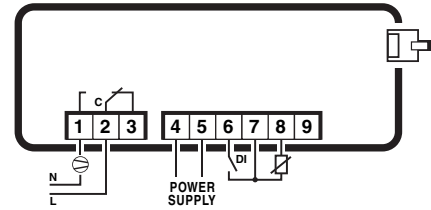
IR33YE00\*: 12/24 Vac/dc, 3 VA

**IR32SE000**   **IR32SEM000**   **IR32SEF100**  
**IR32SEA000**   **IR32SE0100**   **IR32SEG100**  
**IR32SEF000**   **IR32SEA100**   **IR32SEM100**  
**IR32SEG000**



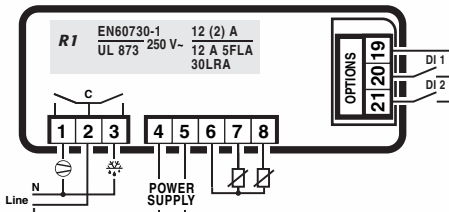
IR32SE00\*: 12 Vac, 2 A  
IR32SE01\*: 24 Vac/dc, 2

**IR32S0L000**  
**IR32S0LBR0**



IR32S0L000\*: 12 Vac, 2 VA  
IR32S0LBR0\*: 24 Vac/dc, 2 VA

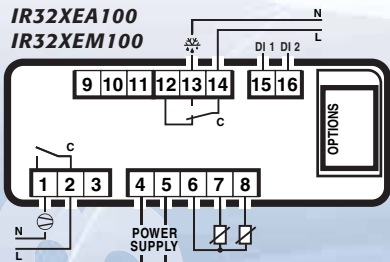
**IR32YE0000**   **IR32YE0100**  
**IR32YEA000**   **IR32YEA100**  
**IR32YEM000**   **IR32YEM100**



IR33YE00\*: 12 Vac  
IR33YE01\*: 24 Vac/dc, 3 A

**IR32XE0000**  
**IR32XEA000**  
**IR32XEM000**  
**IR32XE0100**  
**IR32XEA100**  
**IR32XEM100**

<b>R1</b>	<b>R2</b>
EN60730-1	12 (2) A
UL 873 250 V-	8 (4) A
	12 A 5FLA
	8 A 2FLA
	30LRA
	12LRA



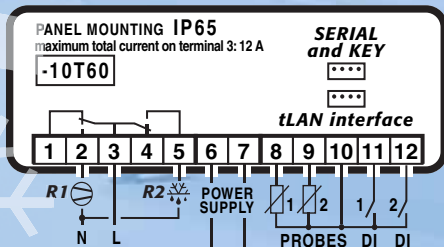
IR32XE00\*: 12 Vac, 3 A  
IR32XE01\*: 24 Vac/dc, 3 A

**IR33Y00N00**  
**IR33Y0LR00**

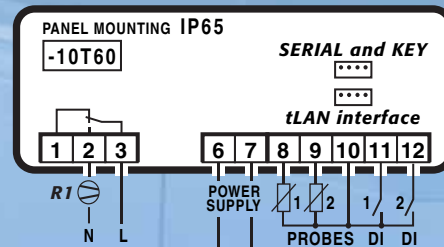
<b>R1</b>	<b>R2</b>
EN60730-1	12 (2) A
UL 873 250 V-	8 (4) A
	12 A 5FLA
	8 A 2FLA
	30LRA
	12LRA

**IR33S00N00**  
**IR33S0LR00**  
**IR33S0LN00**

<b>R1</b>	12 (2) A
EN60730-1	12 A 5FLA
UL 873 250 V-	30LRA



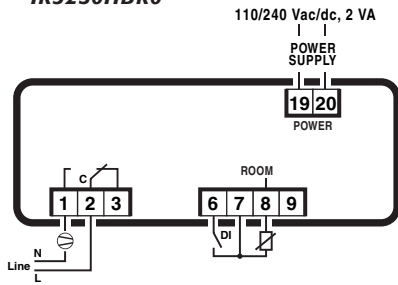
IR33Y00\*: 12 V- 300mA- max  
IR33Y0L\*: 12/24 V- 300mA- max



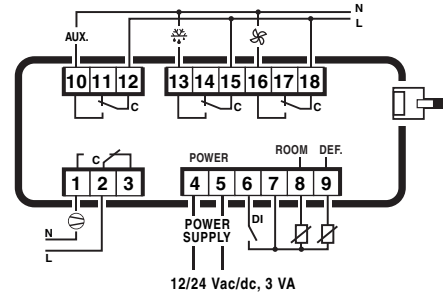
IR33S00\*: 12 V- 300mA- max  
IR33S0L\*: 12/24 V- 300mA- max



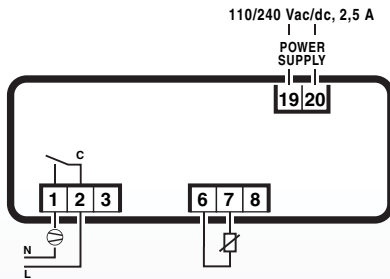
**IR32S0H000  
IR32S0HBRO**



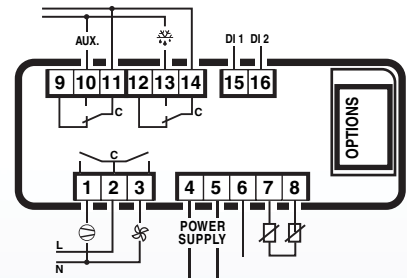
**IR32C0L000  
IR32COLBRO**



**IR32SE0H00  
IR32SEAH00**



**IR32CE0000 IR32CE0100  
IR32CEA000 IR32CEA100  
IR32CEM000 IR32CEM100**



EN60730-1 UL 873 250 V-	<b>R1</b>	12 (2) A 12A 5FLA 30LRA
	<b>R2</b>	8 (4) A 8A 2FLA 12LRA
	<b>R3</b>	8 (4) A 8A 2FLA 12LRA
	<b>R4</b>	8 (4) A 8A 2FLA 12LRA

IR32C00\*: 12 Vac, 3 VA  
IR32C0L\*: 24 Vac/dc, 3 VA

**IR33S0EN00  
IR33S0ER00**

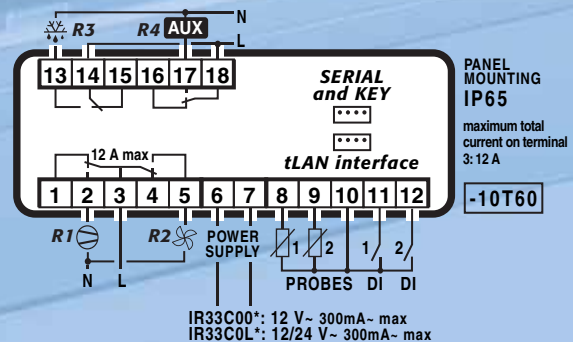
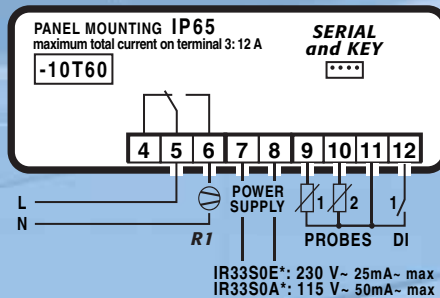
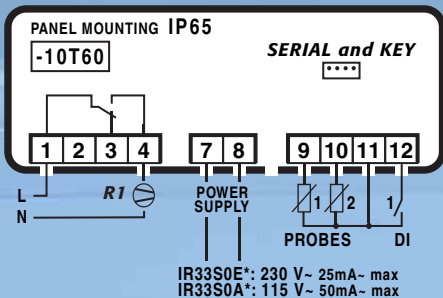
<b>R1</b>	EN60730-1 UL 873 250 V-	8 (4) A
		8A 2FLA 12LRA

**IR33S0EP00**

<b>R1</b>	EN60730-1 UL 873 250 V-	12 (2) A
		12A 5FLA 30LRA

**IR33C00N00  
IR33C00R00  
IR33COLN00  
IR33COLR00**

EN60730-1 UL 873 250 V-	<b>R1</b>	12 (2) A	<b>R2</b>	8 (4) A	<b>R3</b>	8 (4) A	<b>R4</b>	8 (4) A
	12A 5FLA 30LRA	8A 2FLA 12LRA	8A 2FLA 12LRA	8A 2FLA 12LRA				



code	power supply	n. relay	compr.	defrost	fan	aux	options				
							buzzer	alarm	IR recev.	RS485	2 dig. input / 2 probes
IR32SE0000	12 Vac	1	8 A								
IR32SEM000	12 Vac	1	8 A							•	
<b>IR33S00N00</b>	<b>12 Vac</b>	<b>1</b>	<b>16 A</b>				•			◦	•
IR32SEA000	12 Vac	1	8 A				•		•		
IR32SEA100	24 Vac	1	8 A				•		•		
IR32S0LBRO	12 to 24 Vac/dc	1	8 A				•		•	◦	
<b>IR33S0LR00</b>	<b>12 to 24 Vac/dc</b>	<b>1</b>	<b>16 A</b>				•		•	◦	•
IR32SEF000	12 Vac	2	8 A					8 A			
IR32YE0000	12 Vac	2	8 A	8 A							
IR32YEM000	12 Vac	2	8 A	8 A						•	
IR32XE0000	12 Vac	2	8 A	8 A							•
IR32XEM000	12 Vac	2	8 A	8 A						•	•
<b>IR33Y00N00</b>	<b>12 Vac</b>	<b>2</b>	<b>16 A</b>	<b>8 A (*)</b>			•			◦	•
IR32SEG000	12 Vac	2	8 A					8 A	•		
IR32YEA000	12 Vac	2	8 A	8 A			•		•		
IR32XEA000	12 Vac	2	8 A	8 A			•		•		•
IR32SEF100	24 Vac/dc	2	8 A					8 A			
IR32SEG100	24 Vac/dc	2	8 A					8 A	•		
IR32YE0100	24 Vac/dc	2	8 A	8 A							
IR32YEA100	24 Vac/dc	2	8 A	8 A			•		•		
IR32YEM100	24 Vac/dc	2	8 A	8 A						•	
IR32XE0100	24 Vac/dc	2	8 A	8 A							•
IR32XEA100	24 Vac/dc	2	8 A	8 A			•		•		•
IR32XEM100	24 Vac/dc	2	8 A	8 A						•	•
IR32Y0L000	12 to 24 Vac/dc	2	8 A	8 A						◦	
IR32Y0LBRO	12 to 24 Vac/dc	2	8 A	8 A			•		•	◦	
<b>IR33Y0LR00</b>	<b>12 Vac - 12 to 24 Vac/dc</b>	<b>2</b>	<b>16 A</b>	<b>8 A ( )</b>			•		•	◦	•
IR32CE0000	12 Vac	4	8 A	8 A	8 A	8 A					•
IR32CEM000	12 Vac	4	8 A	8 A	8 A	8 A				•	•
<b>IR33C00N00</b>	<b>12 Vac</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•			◦	•
IR32CEA000	12 Vac	4	8 A	8 A	8 A	8 A	•		•		•
<b>IR33C00R00</b>	<b>12 Vac</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•		•	◦	•
IR32SE0100	24 Vac	1	8 A								
IR32SEM100	24 Vac	1	8 A							•	
IR32S0L000	12 to 24 Vac/dc	1	8 A							◦	
<b>IR33S0LN00</b>	<b>12 to 24 Vac/dc</b>	<b>1</b>	<b>16 A</b>				•			◦	•
IR32CE0100	24 Vac	4	8 A	8 A	8 A	8 A					•
IR32CEM100	24 Vac	4	8 A	8 A	8 A	8 A				•	•
IR32C0L000	12 to 24 Vac/dc	4	8 A	8 A	8 A	8 A				◦	
<b>IR33C0LN00</b>	<b>12 to 24 Vac/dc</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•			◦	•
IR32CEA100	24 Vac	4	8 A	8 A	8 A	8 A	•		•		•
IR32C0LBRO	12 to 24 Vac/dc	4	8 A	8 A	8 A	8 A	•		•	◦	
<b>IR33C0LR00</b>	<b>12 to 24 Vac/dc</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•		•	◦	•
IR32SE0H00	110 or 230 Vac/dc	1	8 A								
IR32S0H000	110 or 240 Vac/dc	1	8 A								
<b>IR33S0EN00</b>	<b>230 Vac</b>	<b>1</b>	<b>8 A</b>				•			◦	
<b>IR33S0EP00</b>	<b>230 Vac</b>	<b>1</b>	<b>16 A</b>				•			◦	
<b>IR33C0HR00</b>	<b>115 to 230 Vac</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•		•	◦	•
<b>IR33C7HR00</b>	<b>115 to 230 Vac</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•		•	◦	•
(**)											
IR32SEAH00	110 or 230 Vac/dc	1	8 A				•		•		
IR32S0HBRO	110 or 240 Vac/dc	1	8 A				•		•	◦	
<b>IR33S0ER00</b>	<b>230 Vac</b>	<b>1</b>	<b>8 A</b>				•		•	◦	
<b>IR33C0HR00</b>	<b>115 to 230 Vac</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•		•	◦	•
<b>IR33C7HR00</b>	<b>115 to 230 Vac</b>	<b>4</b>	<b>16 A</b>	<b>8 A</b>	<b>8 A</b>	<b>8 A</b>	•		•	◦	•
(**)											

\* It is possible to configure the second relay as auxiliary relay through the programming kit PSOPZPRG00  
 • default ◦ options

\*\* Models compatible with NTC or PTC probes