

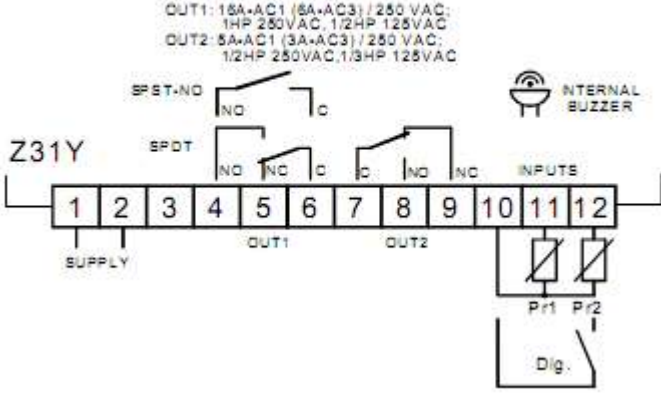




*ELECTRONIC CONTROLLERS FOR REFRIGERATION
WITH DEFROST OPERATION*

INSTRUMENT	CODE	NOTE
 <p>The Z31Y is a rectangular electronic controller with a red LED display showing -28.5. It features four physical buttons: 'U' (Up), 'P' (Down), and two arrow buttons.</p>	<p>Z31Y ELECTRONIC CONTROLLER FOR REFRIGERATING UNITS</p>	<ul style="list-style-type: none"> • 2 PTC – NTC input • 1 Digital input (when 1 probe input only) • 2 relays output • Buzzer as optional
 <p>The Z31SY is a rectangular electronic controller with a blue LED display showing -20.4. It features a touch-sensitive keyboard with 'U' (Up), 'P' (Down), and arrow buttons. A 'WATERPROOF' badge is visible in the top left corner.</p>	<p>Z31SY ELECTRONIC CONTROLLER FOR REFRIGERATING UNITS</p>	<ul style="list-style-type: none"> • Sensitive Touch keyboard • 2 PTC – NTC input • 1 Digital input (when 1 probe input only) • 2 relays output • Buzzer as optional
<p>OUT1: 16A-AC1 (8A-AC3) / 250 VAC; 1HP 250VAC, 1/2HP 125VAC OUT2: 8A-AC1 (3A-AC3) / 250 VAC; 1/2HP 250VAC, 1/3HP 125VAC</p>  <p>The wiring diagram shows a 12-pin terminal block for the Z31Y controller. Terminals 1 and 2 are labeled 'SUPPLY'. Terminals 4 and 5 are labeled 'OUT1' and are connected to a SPDT switch. Terminals 6 and 7 are labeled 'OUT2' and are connected to another SPDT switch. Terminals 8 and 9 are labeled 'INPUTS' and are connected to a common terminal 'C' of a switch. Terminals 10 and 11 are connected to two probes, 'Pr1' and 'Pr2'. Terminal 12 is connected to a 'Dig.' input. An 'INTERNAL BUZZER' is also shown connected to the common terminal 'C' of the switch.</p>		

Z31Y (with standard keyboard)
Z31SY (with Sensitive Touch keyboard)

POWER SUPPLY

H = 100..240 VAC
G = 12..24 VAC/VDC
F = 12 VAC/VDC

OUT1

R = Out1 Relay SPST-NO 16A-AC1
S = Out Relay SPDT 16A-AC1

OUT2

R = Out2 Relay SPDT 5A-AC1
- = (No)

BUZZER

B = Buzzer
- = (No)

CONNECTIONS

- = Standard screw terminals
E = Plug-in screw terminals

DISPLAY

- = (Standard Red with icons)
B = Blue with Red icons

