

Declaration of Conformity

Manufacturer: **CAREL Industries S.p.A.**

Via dell'Industria, 11 35020 Brugine (PD) Italy

IR33/ IR33+ POWERLINE - electronic controllers for stand-alone refrigeration units

Code	Description
IRaabcdefgh	Ir33 Powerline - electronic controller for stand-alone refrigeration units
IXaabcdefgh	Ir33 plus Powerline custom - electronic controller for stand-alone refrigeration units
aa:	<i>Version:</i> 33 = Carel standard version, EV = IR33 plus version; letters = customized version
b:	<i>Model:</i> S = 1 compressor relay, Y = 2 relays: compressor-defrost; F = 3 relays: compressor-defrost-fan ; C = 4 relays: compressor-defrost-fan-aux/light ;
c:	<i>Probes:</i> 0 = NTC, 7 = NTC/PTC
d:	<i>Power supply:</i> A = 115 Vac; E = 230 Vac;
e:	<i>Options:</i> H = standard, no options; E = provided with time clock; G = provided with auxiliary relay; O = option G + option E;
f:	<i>Front mounting version, terminal block option (power supply and outputs with one common terminal):</i> A = screw type terminal blocks (16A for loads, 12A for signals); B = 16A screw type terminal blocks for relay outputs, 12A plug-in terminal blocks for signals. C = all 12 A vertical screw type terminal blocks; D = all 12 A plug-in terminal blocks. (outputs with one independent relay): E = screw type terminal blocks (16A for loads, 12A for signals); F = 16A screw type terminal blocks for relay outputs, 12A plug-in terminal blocks for signals. G = all 12 A vertical screw type terminal blocks; H = all 12 A plug-in terminal blocks. (power supply independent from outputs): I = screw type terminal blocks (16A for loads, 12A for signals); L = 16A screw type terminal blocks for relay outputs, 12A plug-in terminal blocks for signals. M = all 12 A vertical screw type terminal blocks; N = all 12 A plug-in terminal blocks. <i>Rear mounting version, terminal block option (power supply and outputs with one common terminal):</i> P = screw type terminal blocks (16A for loads, 12A for signals); R = 16A screw type terminal blocks for relay outputs, 12A plug-in terminal blocks for signals. S = all 12 A vertical screw type terminal blocks; T = all 12 A plug-in terminal blocks. (outputs with one independent relay): U = screw type terminal blocks (16A for loads, 12A for signals); V = 16A screw type terminal blocks for relay outputs, 12A plug-in terminal blocks for signals. W = all 12 A vertical screw type terminal blocks; X = all 12 A plug-in terminal blocks. (power supply independent from outputs): Y = screw type terminal blocks (16A for loads, 12A for signals); Z = 16A screw type terminal blocks for relay outputs, 12A plug-in terminal blocks for signals. 1 = all 12 A vertical screw type terminal blocks; 2 = all 12 A plug-in terminal blocks.
g:	<i>Customization:</i> 0 = standard, x = letter/number= customization identification
h:	<i>Packaging:</i> blank = single package, 1 = multiple package 20 pcs., 3 = multiple package 30 pcs., 5 = multiple package 50 pcs, K = kit

We hereby declares that all the above indicated products comply with the requirements of standard **IEC 60079-15 edition 4**, as required by the standards **EN 60335-2-24:2011**, **EN 60335-2-40/A1:2007** and **EN 60335-2-89:2011** in case of using hydrocarbon refrigeration gas (e.g. R290 Propane and R600a Isobutane).

Compliance is confirmed when following electromechanical relays are used on products listed above:

Code: G5NB-1A-E-12VDC - Manufacturer: OMRON (5A relay)

Code: G6RL-1- 12VDC - Manufacturer: OMRON (8A relay)

Code: HF118F-012-1Z1T - Manufacturer: XIAMEN HONGFA ELECTROACOUSTIC (8A relay)

Code: RY211012 - Manufacturer: TYCO ELECTRONICS AUSTRIA GMBH (8A relay)

Code: JS12-K - Manufacturer: FUJITSU (8A relay)

Code: 832A-1A-F-S-B - Manufacturer: SONG CHUAN PRECISION CO. LTD (30A relay)

Code: HF105F-1 - Manufacturer: XIAMEN HONGFA ELECTROACOUSTIC (30A relay)

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CAREL INDUSTRIES S.p.A.
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