

Declaration of Conformity

Manufacturer: **CAREL Industries S.p.A.**
Via dell'Industria, 11 35020 Brugine (PD) Italy

IR33+ Wide, IR33+ Easy Wide electronic controller

Code	Description
PBEVbcdefg	IR33 Plus Wide / Easy Wide standard Carel version.
PXaabcdefg	IR33 Plus Wide / Easy Wide customized version.
aa:	Letters / numbers = customized version
b:	Models: S = 1 compressor relay ; Y = 2 relays: compressor-defrost F = 3 relays: compressor-defrost-fan; C = 4 relays: compressor-defrost-fan-aux1 H = 5 relays: compressor-defrost-fan-aux1-aux2; D = 3 relays: compressor- aux1-aux2 + SSR out
c:	Type of probes: 0, 8 = NTC probe, 6, 9 = PTC probe
d:	Supply voltage: A = 115 Vac (transformer); E = 230 Vac (transformer) ; H = 115/230 Vac (switching)
e:	Options: N = no options, A = auxiliary relay, C = clock, L = clock+alarm relay, P =16A,8A,8A, S = 16A,8A,8A+clock, V = 16A,8A,8A+ auxiliary relay, Y = 16A,8A,8A+ auxiliary relay+ clock
f:	Connections / type of mounting / front panel look: A,B,C,D,E,F,G,H,I,L,M,N,P,R,S,T,U,V,W,X,Y,Z,1,2,3,4,5,6,7,8 Various options to combine screw terminals, faston, disconnectable terminals, front panel mounting, rear panel mounting, "IR33+ look", "Easy look".
g:	Secondary customization id: 0 = standard, A = blue display, W = white display, G = green display, * = customized
h:	Packaging blank = single pack, 1 = multiple pack, K = multiple pack (kit)

We hereby declares that all the above indicated products comply with the requirements of standard **EN 60079-15:2005**, as required by the standards **EN 60335-2-40/A1:2006-04** and **EN 60335-2-89:2010** in case of using hydrocarbon refrigeration gases (e.g. R290 Propane and R600a Isobutane). Compliance is based on tests performed on following electromechanical relays, used on listed above products:

Code: JV 12S-KT - Manufacturer: FUJITSU-TAKAMISAWA (5A relay)
Code: HF32FA/012-HSL1-610 - Manufacturer: HONGFA (5A relay)
Code: G6RL-1- 12VDC (SP) - Manufacturer: OMRON (8A relay)
Code: HF118F-012-1ZS1T - Manufacturer: XIAMEN HONGFA ELECTROACOUSTIC (8A relay)
Code: RY211012 - Manufacturer: TYCO ELECTRONICS AUSTRIA GMBH (8A relay)
Code: JS12-K - Manufacturer: FUJITSU (8A relay)
Code: RT314012 - Manufacturer: TYCO ELECTRONICS AUSTRIA GMBH (16A relay)
Code: HF115-012-1ZS3B - Manufacturer: XIAMEN HONGFA ELECTROACOUSTIC (16A relay)
Code: FTR K1AK012T - Manufacturer: FUJITSU (16A relay)
Code: G2RL-1A-E 12VDC - Manufacturer: OMRON (16A relay)
Code: 888H-1A-H-F-C-IR - Manufacturer: SONG CHUAN PRECISION CO. LTD (16A relay)

Such relays have passed successfully all the type tests for the presumption of conformity to **ATEX Directive 94/9/EC** for Group II, Category 3G, as component with type of protection Ex nC "Enclosed-break device" and "sealed device" in accordance with harmonized standard EN 60079-15:2005 - Type of protection **Ex nC IIC T4; Amb. T - 10 °C + 60 °C.**

Brugine, 13th May 2014

CAREL INDUSTRIES S.p.A.
Technical Director
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