

Declaration of Conformity

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

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

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

Code	Description
IR33bcdefgh	Ir33 electronic controller
IRaabcdefgh	Ir33 electronic controller customized
IREVbcdefgh	Ir33 Plus electronic controller
IXaabcdefgh	Ir33 Plus electronic controller customized
aa:	33 = Carel standard version, EV = Carel IR33 Plus version, letters = customized version
b:	M = 0 relays, S = 1 compressor relay, Y = 2 relays: compressor-defrost F = 3 relays: compressor-defrost-fan (no for options A,M,L,T e V,X,Y,Z) C = 4 relays: compressor-defrost-fan-auxiliary (no for options A,M,L,T)
c:	0, 8 = NTC, 7, 9 = NTC/PTC
d:	0 = 12 Vac, L = 12/24 Vac, A = 115 Vac (transformer), E = 230 Vac (transformer), H = 115/230 Vac (switching)
e:	N = no options, A = auxiliary relay, C = clock, R = infrared receiver, L = clock+alarm relay, M = infrared+alarm relay, T = infrared+ clock+alarm relay, P = 16A, Q = 16A+infrared, S = 16A+clock, V =16A+ aux relay, U = 16A+clock+infrared, X = 16A+aux. relay+infrared, Y = 16A+aux. relay+ clock, Z = 16A+aux. relay+ clock+infrared, H = 2HP, I = 2HP+infrared, E = 2HP+clock, G = 2HP+aux relays, K = 2HP+aux relays+infrared, S = 2HP+clock+infrared, O = 2HP+aux relays+clock, W = 2HP+aux relays+clock+infrared, 1 = special customization
f:	FRONT installation version: 0, 1, 2, 3, 5 = various terminal block type options REAR installation 4, 6, 7, 8 = various terminal block type options
g:	0 = standard, x = letter/number= customization identification
h:	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: JV 12S-KT - Manufacturer: FUJITSU-TAKAMISAWA (5A relay)

Code: HF32FA/012-HSL1-610 - Manufacturer: HONGFA (5A relay)

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: RT314012 - Manufacturer: TYCO ELECTRONICS AUSTRIA GMBH (16A relay)

Code: RT314012WG - 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: 507H-1A-H-F-C-IR - Manufacturer: SONG CHUAN PRECISION CO. LTD (16A relay)

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

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

Brugine, 24th November 2016

CAREL INDUSTRIES S.p.A.
Technical Director
Ing. *Umberto Bianchini*

