

Declaration of Conformity

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

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

IR33 DIN electronic controllers for stand-alone refrigeration units

Code	Description
DN33bcdefgh	Ir33 electronic controller
DNaabcdefgh	Ir33 electronic controller customized
aa:	33 = Carel version, letters = customized version
b:	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
c:	0 = NTC , 7 = NTC/PTC
d:	0 = 12 Vac, L = 12/24 Vac, A = 115 Vac, E = 230 Vac, H = 115/230 Vac
e:	N,H = no options, A,G = auxiliary relay, R,I = infrared receiver, C,E = clock, B,F = option C+R, M,K = option R+alarm relay, L,O = option C+alarm relay, T,W = option C+R+alarm relay
f:	0 =fixed screw type terminal block, 2 = disconnectable terminal block
g:	0 = standard, x = letter/number= customization identification
h:	blank = single package, 1 = multiple package, 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: 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)

Brugine, 24th November 2016

CAREL INDUSTRIES S.p.A.

Technical Director

Ing. *Umberto Bianchini*

