



CAREL

Introduces...



Power line

**The Specialists for
stand alone units**

A collage of images showcasing various power control units and their applications. On the left, a tall, blue refrigerated display cabinet is shown. Next to it is a white, rectangular power control unit. The central part of the collage features a large, brightly lit indoor arena or stadium with a curved roof structure. On the right, a long, narrow aisle in a refrigerated storage facility is shown, with a power control unit mounted on the wall. In the foreground, four different models of power control units are displayed, each with a digital display showing a temperature reading: -22, -22, -22, and -22. The units are labeled as Powerstat, Plug-in, Power-split, and Power Engine.

Powerstat

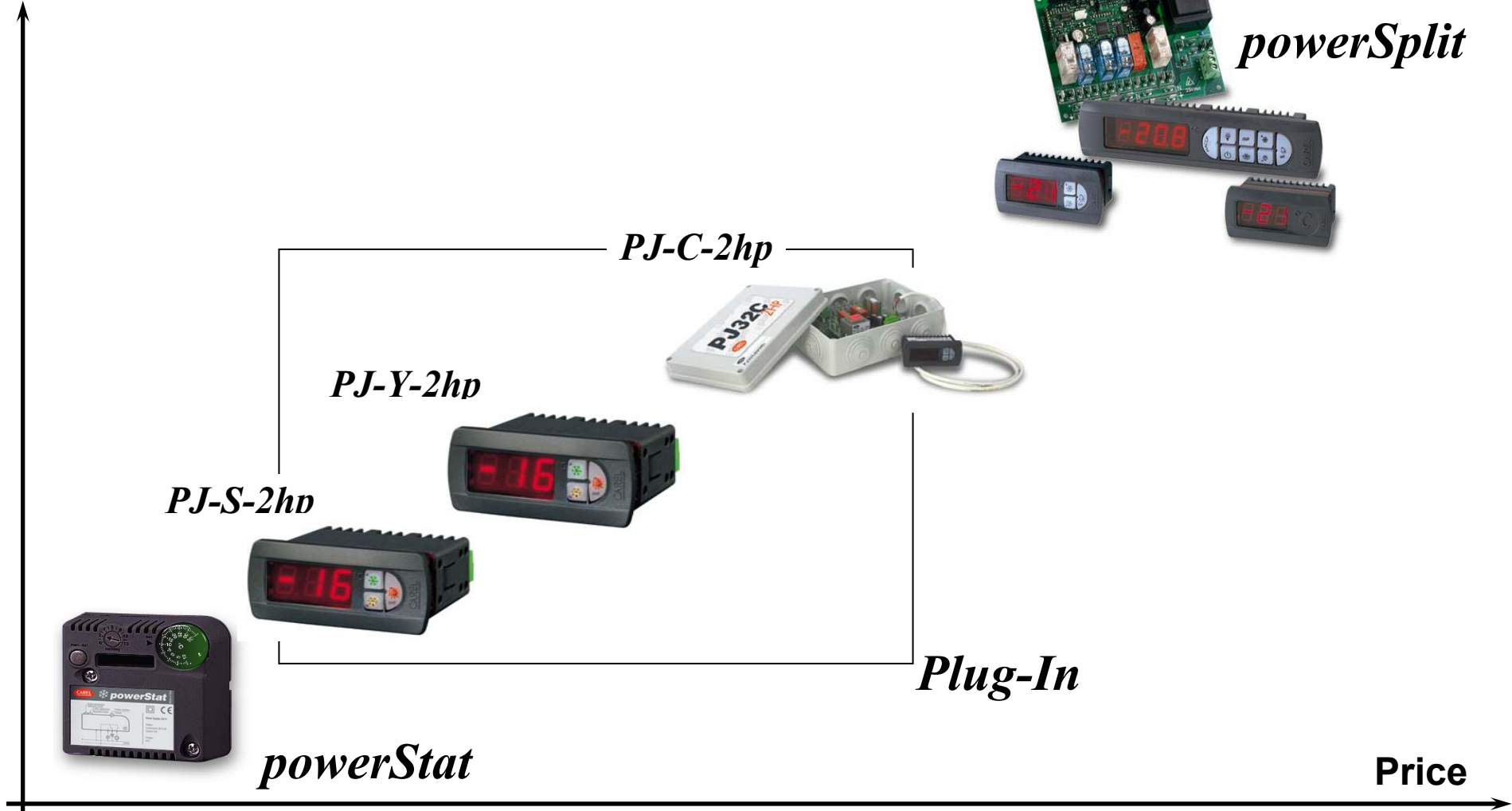
Plug-in

Power-split

Power Engine

The range

Performance



Plug-in range





Plug In & powerSplit



the right team for....



Plug In & powerSplit



Up-rights cabinets





Plug In & powerSplit



Catering Equipment





Plug In & powerSplit



Plug-in cabinets





Power Line

Plus

- **Innovative mounting system**
- **Fast connections**
- **Transformer inside (double insulation with 230 V)**
- **UL approval**





Plug-in Accessories



Programming Key

it works without power supply

- ... download from the key
- ... or upload to the key
- a LED turns from **red** to **green** when OK





Plug-In: customisation!



 **blue**

green





Plug-in Accessories



Optional HACCP module with Real Time Clock






- High Temp. Alarms
- Black-out management
- Defrost by clock





Plug-in: Normal Temperature

1 output range




- PJ32S0E  230V, 1 NTC probe
- PJ32S0  230V, 2 NTC probes, Top
- PJ32S0P  230V, 16 A, 2 NTC probes, Top
- PJ32S1P  230V, 16 A, 1 NTC probes, 1 dig.in, Top
- PJ32S20   230V, 8 A, 1 NTC probes, 1 dig.in, Top
- PJ32S0H  230V, **2hp**, 2 NTC probes, Top
- PJ32S2H   230V, **2hp**, 1 NTC probes, 1 dig.in, Top

All models also 115V



Plug-in: Low Temperature

2 outputs range

- PJ32Y0L   230V, 8A, 8A, 2 NTC probe
- PJ32Y0   230V, 8A, 8A, 2 NTC probes, Top
- PJ32X1   230V, 8A, 8A, 1 NTC probes, 1 dig.in, Top
- PJ32Y0H   230V, **2hp**, 8A, 2 NTC probes, Top











All models also 115 V



Plug-in:Low Temperature ventilated



3,4 outputs range

- PJ32C   
- PJ32C0V   
- PJ32C0W    

230V, 8A, 5A, 5A, 2 NTC probe
 230V, **2hp**, 16A, 8A, 2 NTC probes, split with box
 230V, **2hp**, **2hp**, 16A, 8A, 2 NTC probes, split model with box

All models also 115 V

SIEMENS

Nome TERRUZZI PIERLUIGI
 Reparto Y00A
 Indirizzo VIA P. e A. PIRELLI, 10 MILANO
 Telefono (02) 6676.4327
 Telefax (02) 6676.4339
 E-Mail Pierluigi.Terruzzi@siemens.it

Settore
 COMPONENTI Elettromeccanici

Per FAX, pagine in totale (1)

OGGETTO: COMPRESSOR LOAD

application 1: load compressor, 2 hp, inrush current 70Apeak, I non. 9A, T = 40°C,
 duty cycle 6 op./hour.

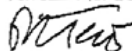
application 2: load compressor, 2 hp, inrush current 36Apeak, I non. 9A, T = 40°C,
 duty cycle 6 op./hour.

We estimated as follow:

The max. duration of the 70Apeak inrush current is 1 sec.
 The max. duration of the 36Apeak inrush current is approx. 3 sec.

power	Iin	Ioff	relay type	expected contact life
2 hp	70A	9A	RP3SL	250.000 - 300.000 ops.
2 hp	36A	9A	RP3SL	300.000 - 350.000 ops.

Terruzzi Pier Luigi



Siemens S.p.A.
 Settore EC



Sede sociale e Direzione:
 Via Piero e Alberto Pirelli 10
 20126 Milano
 C.F. 17154 - 20170 Milano

Tel. (02) 6676.1
 Fax (02) 6676.2212
 Telex 330 261 SIEM-I

Capitale sociale: L. 130.000.000.000; Codice fiscale e partita I.V.A.: IT - 00751160151; Tribunale Milano: 104183/2778/42; C.G.I.A.A.: Milano 625.193



Power Range
2HP power relay
 especially designed for
 compressor load!

Plug-in Vs Others

Plug in



Dixell Prime

LAE MTR12

Eliwell Serie ID

PLUS



Yes

**HACCP
Options**

No

No

Yes

Yes

**Plug in
connectors**

No

No

Yes

Yes

**Frontal
mounting
system**

No

No

No

Yes

**Removable
frame**

No

No

Yes

Yes

IP65

Yes

No

Yes

Yes

**Progr. by key
without
power supply**





No

No

No



Plug-in 2hp Vs Others

<p>Plug in</p> 	<p>PLUS</p>	<p><i>Dixell Prime</i></p> 	<p><i>LAE MTR12</i></p> 	<p><i>Eliwell Serie ID</i></p> 
<p>Yes</p>	<p>2 hp 32x74 1,2 outputs</p>	<p>No</p>	<p>No</p>	<p>No</p>
<p>Yes</p>	<p>Split version to drive up to 2 compressors</p>	<p>No</p>	<p>No</p>	<p>No</p>
<p>Yes</p>	<p>Double insulation for all version</p>	<p>No</p>	<p>No</p>	<p>No</p>



Plug-in



Documentation & Brochures



Leaflet: 6 languages



Technical manual: 5 languages



Brochures: 4 languages



All the documentation on PDF format

Demonstration bag



Available at cost !

524,00 €



www.carel.com



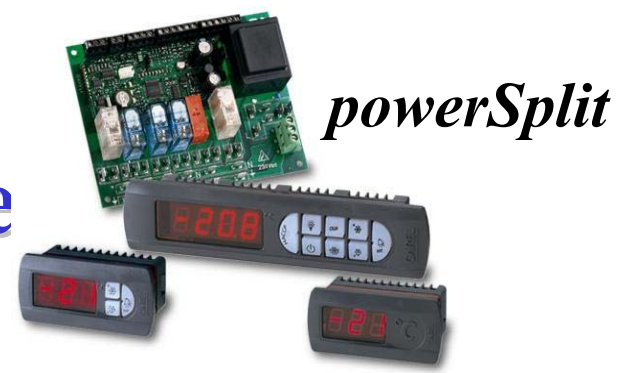
Plug In & powerSplit



Multiplexed stand alone units

























Synchronised defrost



Power Split:Low Temperature ventilated

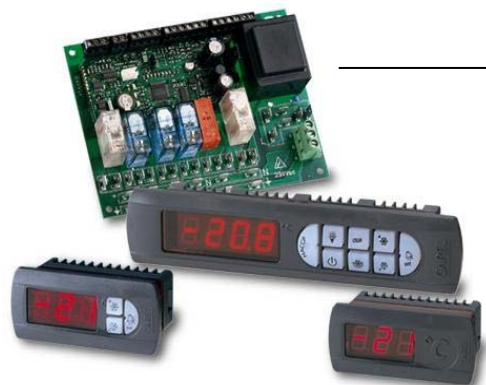
4,6 outputs range

- PSB0000000     **2hp**, 16A, 8A, 8A, 3 NTC
- PSB0001000      **2hp**, 16A, 8A, 8A, 3 NTC
- PSB0000100       **2hp**, 16A, 8A, 8A, 16A, 8A
3 NTC
- PSB0001100        **2hp**, 16A, 8A, 8A, 16A, 8A
3 NTC

All models 230 V



PowerSplit: the first control with **optical sensor**



Power Split Vs Others

powerSplit



Dixell Wing



LAE SMD-90



Eliwell Power Frost



PLUS

Yes

Haccp

No

No

No

Yes

2 hp

No (20A)

No

No (30A)

Yes

LAN

No

No

No

Yes

Light sensor

No

No

No

Yes

Removable frame

No

No

No



Power Split



Documentation & Brochures

- Leaflet: 6 languages** 
- Technical manual: 2 languages** 
- Brochures: 2 languages** 
- All the documentation on PDF format**



Power Line: some customers





Plug In & powerSplit

Have a nice meeting



Ciao !