



## Product news

10/02/2020



### Three-phase "Cella Range" update and integration

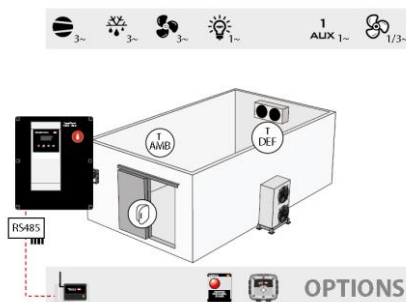
Dear Colleagues,

We are pleased to inform you about some important news in the Cella Range products, concerning three-phase loads management in a cold room: the **new SmartCella 3PH range**, the introduction of **SmartCella 3PH EVD** models with EVD on board and the range extension with **three-phase double contactor power modules** to drive up to two three-phase loads.

*For further information on the market context and on the three-phase applications in cold rooms, please refer to the launch plan of the SmartCella 3PH range (first version) available on KSA → [LINK](#)*

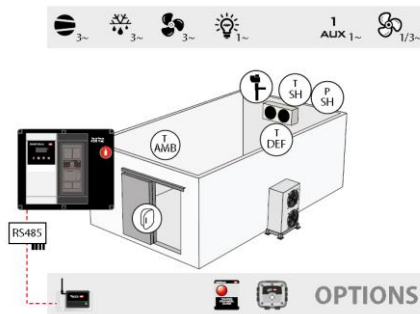
**News:**

- New SmartCella 3PH:**  
 The control logic has been improved with the inclusion of the 5th relay electronic board (4 relays in the previous version), which allows the management of compressor, defrost, evaporator fans, cold room lights and a configurable auxiliary, which can also be used as an alarm contact.  
 In addition, the product application ranges have been extended, with the possibility of driving compressors up to 20A, evaporators with defrost up to 12kW and evaporator fans up to 3.5kW



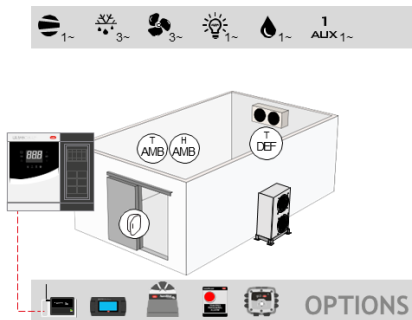
- SmartCella 3PH EVD:**

New range of controls with same characteristics as new SmartCella 3PH but with embedded driver for electronic expansion valve, with Ultracap included. N.B: the display for EVD Evolution configuration is not included.



- Three-phase modules with double contactors:**

Additional modules that can be coupled to both SmartCella and UltraCella, allowing to drive defrost up to 11kW and evaporator fans up to 4kW. Including a protection fuse for the main panel power supply and terminal boxes to connect the defrost safety thermostat and the Klixon fans.






The complete map of three-phase applications for cold rooms is shown here below:

	3PH Loads		
	3ph	3ph  3ph	3ph  3ph  3ph
<b>Advanced</b> (UltraCella)	 Power 3PH module <i>WT00SD00N0</i>	 Power 3PH module <i>WT00C**0N0</i>  Ultra 3PH Evaporator module <i>WT00E*00N0</i>	 Ultra 3PH Full module <i>WT00F**0N0</i>
<b>Entry</b> (SmartCella)	 Power 3PH module <i>WT00SD00N0</i>	 Power 3PH module <i>WT00C**0N0</i>	 SmartCella 3PH <i>WP00E*****0</i>

The product data sheets and application examples are available in the new Cella Range catalog on [carel.com](http://carel.com) → [LINK](#)

### New products available:

 SmartCella 3PH	 SmartCella 3PH EVD	Safe switch [A] @400V	Evaporator fans [W]	Defrost [W]	Condenser fans [W]	Light [W]
<i>WP00E11A100</i>	<i>WP00E11A1U0</i>	1,6 - 2,5	1000 – 1ph 1500 – 3ph	9000 – 3ph	900 – 1ph	800 – 1ph
<i>WP00E21A100</i>	<i>WP00E21A1U0</i>	2,5 - 4				
<i>WP00E31A100</i>	<i>WP00E31A1U0</i>	4 - 6,3				
<i>WP00E41A100</i>	<i>WP00E41A1U0</i>	6,3 - 10				
<i>WP00E51A100</i>	<i>WP00E51A1U0</i>	8 – 12				
<i>WP00E42A200</i>	<i>WP00E42A2U0</i>	6,3 - 10	2000 – 1ph 3000 – 3ph		2000 – 3ph	
<i>WP00E62A200</i>	<i>WP00E62A2U0</i>	10 - 16				
<i>WP00E72A200</i>	<i>WP00E72A2U0</i>	16 – 20				
<i>WP00E73B300</i>	<i>WP00E73B3U0</i>	16 – 20	3500 – 3ph	12000 – 3ph	2000+2000 – 3ph	

 Power module 3PH	Magnetothermic protection [A] @400V	Fuse protection [A] @230V	Evaporator fan [W]	Defrost [W]	Additional input contacts
<i>WT00CBF0N0</i>	6	6	3000 – 3ph / 1100 – 1ph	4000 – 3ph	Evaporator fan, thermic protection
<i>WT00CCG0N0</i>	10		4000 – 3ph / 1700 – 1ph	7000 – 3ph	
<i>WT00CDG0N0</i>	16		4000 – 3ph / 2200 – 1ph	11000 – 3ph	

### Accessories (not included):

- *IROPZSER30*: serial RS485 board to connect SmartCella 3PH range to monitoring system
- *EVDIS00\*\*0*: EVD Evolution display (\*\* = depending on model/language)

### Products availability:

- All listed p/n are in **ACTIVE status from 31/01/2020**, and they are already included in 2020 General Price List

### Previous SmartCella 3PH range:

- The p/n of previous SmartCella 3PH range (first release - 2017) will be set to ENDING status from the beginning of Q2 2020, with PHASE-OUT completed by the end of this year. Below the table with the replacement codes:

Previous SmartCella 3PH	Phase-out	Replacement p/n: SmartCella 3PH	Replacement p/n: SmartCella 3PH - EVD
<i>WP00B14A10</i>	end 2020	<i>WP00E11A100</i>	<i>WP00E11A1U0</i>
<i>WP00B24A10</i>	end 2020	<i>WP00E21A100</i>	<i>WP00E21A1U0</i>
<i>WP00B34A10</i>	end 2020	<i>WP00E31A100</i>	<i>WP00E31A1U0</i>
<i>WP00B44A10</i>	end 2020	<i>WP00E41A100</i>	<i>WP00E41A1U0</i>
<i>WP00B47B20</i>	end 2020	<i>WP00E42A200</i>	<i>WP00E42A2U0</i>
<i>WP00B57B20</i>	end 2020	<i>WP00E62A200</i>	<i>WP00E62A2U0</i>

The complete cross-reference table between the previous and the new range of SmartCella 3PH is available on KSA → [LINK](#)

- Single-contactor three-phase modules *WT00SB00N0* and *WT00SC00N0* will be set to ENDING status from the beginning of Q2 2020, with PHASE-OUT completed by the end of this year. The replacement p/n is *WT00SD00N0* that will keep its ACTIVE status.

Single-contactor three-phase module	Phase-out	Replacement p/n: single-contactor three-phase module
<i>WT00SB00N0</i>	end 2020	<i>WT00SD00N0</i>
<i>WT00SC00N0</i>	end 2020	<i>WT00SD00N0</i>

**Technical documentation update:**

- [Technical leaflet & Quick guide](#): online @ carel.com
- [Installation manual](#): online @ carel.com (end February 2020)

**Commercial documentation update:**

- **NEW** [Cella Range Catalog](#): online @ carel.com → [LINK](#)
- **NEW** [SmartCella 3PH Range video](#) online @ youtube.com → [LINK](#)

**Monitoring system template update:**

- SmartCella, SmartCella 3PH and SmartCella 3PH EVD exploit the same "SmartCella(Carel/Modbus)" template, already included in boss and boss mini service pack 1.4.0

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