



W = Width, L = Length, H = Height

12V/24V



DEFA SmartStart™

Wireless timer (X) controlling and setting the DEFA WarmUp pickup times via the vehicle unit (Y) fitted in the engine compartment.

Features:

- Two different user profiles
- Five- or seven-day week program
- Date-controlled activation time
- Summer and winter time calendar
- 12/24 hour clock
- Display light
- Screensaver function
- Outdoor temperature
- Voltmeter
- Several heating programs
- Fuel heater control provided access to an analog signal from the fuel based pre-heater.

DEFA SmartStart™ is available in both 12V and 24V versions. 24V version requires a 24V relay.

DEFA AS is conforming to the requirements of both ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007. In addition to this, our engine heaters and cables are conforming to the requirements of ISO/TS 16949:2002.

Item number

DEFA no:
440020 Weight: 345 gr. (12V incl. temp. sensor).
440021 Weight: 345 gr. (24V incl. temp. sensor).

Sparepart:

418072 Weight: 170 gr. (Cable incl. temp. sensor)
418103 Weight: 9 gr. (Lithium battery use ONLY Lithium)
418100 Weight: 29 gr. (X) - 418101 Weight: 31 gr. (Y)

Part of

DEFA SmartStart™ is a part of DEFA WarmUp Termini™ 1350, 1850 and 2100.

Mounting

Look at the SmartStart™ usage manual on the enclosed miniCD. This manual is also available at our website. www.defa.com
Note! Use lithium battery ONLY

Technical specifications	X	Y
Operating temp.	-10°C < T < 60°C	-40°C / +80°C
Relay output		Max. 100mA
Type of battery	6V Lithium 2CR-1/3N	Vehicle battery
Range*	Max 1,2 km (obstruction-free zone)	
Frequency [MHz]	868,370 MHz	
Power consumption	<5 µA	<10mA
W/L/H [mm]	34/78/16	54/69/23
Testing & acceptance	EN 301 489-1:2005-04, EN 301489-3:2002.08. ETSI EN 300 220-1:2000-09. EN 301489-1	

* The range will be reduced considerably by obstacles like walls, other vehicles etc.

www.defa.com

CE 041109 - SmartStart™

