

Sturdy and dependable Clocks for sports facilities and swimming pools

■ PEWETA is one of the leading manufacturers and suppliers of analogue as well as digital wall clocks. Our scope of products includes a multitude of articles for a wide range of applications.

Special environments may pose extraordinary demands on materials used and technologies implemented. In this brochure, we will present some high quality clocks to you, which will meet all of those requirements.

All of these clocks perfectly join function and quality – no matter if they are resistant to thrown balls according to DIN, thus suited to gymnasiums, or IP-protected for swimming pools, or silent for relaxation rooms or therapy rooms, or heat-proof for sauna use, or pace clocks for indoors or outdoors!



51.250.311

Type series 250 Indoor clock

dia 300+400 mm single face, wall mounting

Sturdy, presentable wall clock

Available with case diameters 300 mm and 400 mm. Sturdy metal case, enamelled in RAL 9006. Face printed with Arabic numerals or DIN bar markings. Black hour and minute hands, red second hand (no second hand on minute pulse controlled slave clocks). A good choice for lobbies, offices, locker rooms, and any other indoor space.

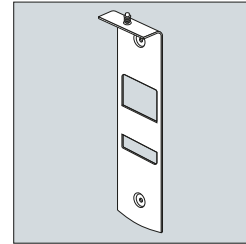
Options:

- **Packaging against dust and spray** (IP54), protection against splash water in pool areas
- **Snap-tight fixture**, to prohibit dropping or unauthorized wrenching off.

DCF77 radio controlled clock with built-in receiving aerial, 1.5 V battery operated or 230 V mains operated.

Slave clock to be connected to a master clock, choice of alternating minute pulse or *DCFport24* pulse telegram.

NTP clock (NTP client), synchronisation via NTP/LAN with power supplied by PoE (Power over Ethernet).



Snap-tight fixture (option -57)



71.250.421

Face diameter ▶ Face type ▶	300 mm		400 mm	
	Arabic Item No.	DIN bars Item No.	Arabic Item No.	DIN bars Item No.
Clock type				
DCF77 radio controlled clock, battery operated 1.5 V	51.250.311	51.250.321	51.250.411	51.250.421
DCF77 radio controlled clock, mains operated 230 VAC, with outage reserve	52.250.311	52.250.321	52.250.411	52.250.421
Slave clock, minute pulse 12...60 V	71.250.311	71.250.321	71.250.411	71.250.421
Slave clock, <i>DCFport24</i> pulse telegram	81.250.311	81.250.321	81.250.411	81.250.421
NTP system clock (NTP client), PoE	91.250.311	91.250.321	91.250.411	91.250.421
Options				Suffix
Packaging against dust and spray (IP 54)				-54
Snap-tight fixture				-57



81.272.312

Type series 272 Indoor clock

dia 320+420 mm double face, wall or ceiling mounting

Sturdy clock for long hallways

Available with case diameters 320 mm and 420 mm. Sturdy metal case, enamelled in RAL 9016 (traffic white), choice of wall or ceiling mounting. Face printed with Arabic numerals or DIN bar markings. Black hour and minute hands, red second hand (no second hands on minute pulse controlled slave clocks and DCF77 radio controlled clocks).

DCF77 radio controlled clock including a remotable receiving aerial, 1.5 V battery operated or 230 V mains operated.

Slave clock to be connected to a master clock, choice of alternating minute pulse or *DCFport24* pulse telegram.

NTP clock (NTP client), synchronisation via NTP/LAN with power supplied by PoE (Power over Ethernet).



71.272.423

Double face clocks

Double face clocks come completely wired and pre-assembled. Just mount them and plug in – that's it!

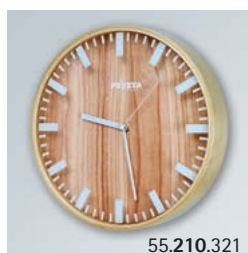
DCF77 radio controlled clocks

include a remotable receiving aerial (IP68).

Face diameter ▶ Face type ▶		300 mm		400 mm	
		Arabic Item No.	DIN bars Item No.	Arabic Item No.	DIN bars Item No.
Clock type					
DCF77 radio controlled clock, battery operated 1.5 V	wall	51.272.312	51.272.322	51.272.412	51.272.422
	ceiling	51.272.313	51.272.323	51.272.413	51.272.423
DCF77 radio controlled clock, mains op. 230 V, outage reserve	wall	52.272.312	52.272.322	52.272.412	52.272.422
	ceiling	52.272.313	52.272.323	52.272.413	52.272.423
Slave clock, minute pulse 12...60 V	wall	71.272.312	71.272.322	71.272.412	71.272.422
	ceiling	71.272.313	71.272.323	71.272.413	71.272.423
Slave clock, <i>DCFport24</i> pulse telegram, 12/24 V	wall	81.272.312	81.272.322	81.272.412	81.272.422
	ceiling	81.272.313	81.272.323	81.272.413	81.272.423
NTP system clock (NTP client), PoE	wall	91.272.312	91.272.322	91.272.412	91.272.422
	ceiling	91.272.313	91.272.323	91.272.413	91.272.423



55.210.311



55.210.321



Rear view

Type series 210

Wall Clocks made from wood with soundless clockwork

dia 313 mm

For therapy and relaxation rooms

Modern, up-to-date radio controlled wall clocks, housing ring and face made from wood, case diameter 313 mm. White face print on mineral glass, choice Arabic numerals or bar markings. White bar-type hour and minute hands, white second hand.

All versions

- creeping second hand
- soundless clockwork

The natural wood design fits into almost any environment. These clocks are excellently suited for noise-sensitive environments such as relaxation rooms and conference rooms as well as therapy and treatment rooms.

DCF77 radio controlled clocks with soundless clockworks and creeping second hands. Built-in DCF77 receiving aerial. Adjustment and changeover to summer/winter time fully automatic. 1.5 V battery operation. Also available as a slave clock or NTP system clock, if required.

FSC Certificate

FSC® stands for „Forest Stewardship Council®, an international certification system for sustainable forestry. Wood with the FSC seal comes from forests managed responsibly. The wood used in this clock is certified as Chain-of-Custody (CoC), FSC 100%, FSC Mix.

Clock type	Face print ▼	Art.-Nr.
DCF77 radio controlled clock, soundless, 1.5 V	Arabic numerals	55.210.311
DCF77 radio controlled clock, soundless, 1.5 V	DIN bar markings	55.210.321



71.426.211

Type series 425 + 426

Slave clock for saunas heat resistant, wooden case

dia 220 mm

230x230 mm



71.425.211

For sauna cabins

Wall clock with special Ayous wood, choice of 220 mm round or 230x230 mm square case. Special slave clockwork for professional use in a sauna (heat resistant up to cir. 95 °C).

White face with arabic numerals, flat mineral glass. Black hour and minute hands.

Slave clock for 24 V alternating polarity minute pulse to be connected to a master clock

Clock type	Case dimensions	Item No.
Slave clock, minute pulse 24 V	220 mm diameter	71.425.211
Slave clock, minute pulse 24 V	230x230 mm	71.426.211



41.420.311

Type series 420

Wall clock

dia 300 mm

for damp room areas (IP 64)

Wall clocks, packaged in water-proof, steam proof and dust proof cases.

White plastic case, diameter 300 mm. Flat mineral glass, black sealing ring. White face with black Arabic numerals. Black hour and minute hands, red second hand.

Available as a **Quartz clock** for 1.5 V battery operation, and as a **DCF77 radio controlled clock** with built-in receiving aerial, automatic time reading and fully automatic time changeover between summer and winter time. 1.5 V battery operated.

Clock type	Item No.
Quartz clock, battery operated 1.5 V	41.420.311
DCF77 radio controlled clock, battery operated 1.5 V	51.420.311

Sturdy Clocks for Large Spaces

resistant to thrown balls according to DIN and/or IP-protected

The large space clocks shown below are particularly robust and are therefore extraordinarily well suited for demanding environments.

Very sturdy, powder-coated metal cases for on-wall or flush mounting, as standard fitted with flat, shock-resistant Plexiglas® XT (PMMA). Optionally, at a surcharge, available with packaging against dust and spray (IP 54) and/or resistant to thrown balls according to DIN 18032, part 3.

Packaging against dust and spray, protection grade IP 54 (option -54)
For use in swimming pool areas. Clockwork and case protected against dust and spray according to protection grade IP 54 (EN 60 529).

Resistant to thrown balls according to DIN 18032, part 3 (option -59)
For unlimited use in gymnasiums. Case with three-point mounting as a safeguard against wrenching off the hook, 2-layer laminated safety front glass, 6 mm thick.

Protection grade IP54

The IP protection grades define the grade of protection against contact, foreign solid objects, and water. The **first digit** indicates the degree of protection against contact and solid foreign objects: **5** = dust protected (dust deposits tolerable, but amount must not be harmful to device's function). The **second digit** indicates the protection against liquids and water respectively: **4** = Protected against water sprayed from all directions.

Resistance to thrown balls according to DIN

DIN 18032, part 3, indicates that building components must not be damaged and their function must not be impaired when hit by balls. During a test conducted by a certified test laboratory the clocks are being hit by handballs from a ball shooting device at angles of 45 and 90 degrees. Our clocks have passed this test flawlessly and thus have earned the certificate „Resistant to thrown balls according to DIN 18032, part 3“.



52.350.511 -54

Type series 350

dia 446–646 mm

Round clock for large spaces single face · for wall mounting

Sturdy wall clock for gymnasiums and indoor swimming pools

Available with case diameters of 446 mm, 546 mm, and 646 mm. Very sturdy metal case, enamelled RAL 9006, choice of face print with Arabic numerals or DIN bar markings. Hour and minute hands painted black.

Options:

- **Packaging against dust and spray** (IP54), protection against water sprayed in swimming pool areas
- **Resistant to thrown balls acc. to DIN 18032/3** for use in gymnasiums or sports halls.

DCF77 radio controlled clock including a remotable receiving aerial, 1.5 V battery operated or 230 V mains operated.

Slave clock to be connected to a master clock, choice of alternating minute pulses or *DCFport24* pulse telegram.

NTP clock (NTP client), synchronisation via NTP/LAN with power supplied by PoE (Power over Ethernet).



71.350.621 -59

Clock type	Case diameter ▶	446 mm	546 mm	646 mm
	Face print ▼	Item No.	Item No.	Item No.
DCF77 radio controlled clock, battery operated 1.5 V	Arabic	51.350.411	51.350.511	51.350.611
	DIN bars	51.350.421	51.350.521	51.350.621
DCF77 radio controlled clock, mains operated 230 V, outage reserve	Arabic	52.350.411	52.350.511	52.350.611
	DIN bars	52.350.421	52.350.521	52.350.621
Slave clock, minute pulse 12...60 V	Arabic	71.350.411	71.350.511	71.350.611
	DIN bars	71.350.421	71.350.521	71.350.621
Slave clock, pulse telegram <i>DCFport24</i> , 24 V	Arabic	81.350.411	81.350.511	81.350.611
	DIN bars	81.350.421	81.350.521	81.350.621
NTP system clock (NTP client), PoE	Arabic	91.350.411	91.350.511	91.350.611
	DIN bars	91.350.421	91.350.521	91.350.621

Options	Suffix
Packaging against dust and spray (IP 54)	-54
Resistance to thrown balls acc. to DIN 18032, part 3	-59



91.369.510 -59



71.369.620

Type series 369

dia 400–600 mm

Square clock for large spaces for flush mounting in walls*

For recessed mounting in baffle walls or masonry in gymnasiums and indoor swimming pools

Available with case dimensions of 460x460 mm, 560x560 mm, and 660x660 mm. Very sturdy metal case, enamelled RAL 9016, choice of face print with Arabic numerals or DIN bar markings. Hour and minute hands painted black.

Options:

- Packaging against dust and spray (IP54), protection against water sprayed in swimming pool areas

- Resistant to thrown balls acc. to DIN 18032/3 for use in gymnasiums or sports halls.

DCF77 radio controlled clock including a remotable receiving aerial, 230 V mains operated.

Slave clock to be connected to a master clock, choice of alternating minute pulses or *DCFport24* pulse telegram.

NTP clock (NTP client), synchronisation via NTP/LAN with power supplied by PoE (Power over Ethernet).

*Please inquire about wall breakout dimensions.

Clock type	Case dimensions Face print	460 x 460	560 x 560	660 x 660
		Item No.	Item No.	Item No.
DCF77 radio controlled clock, mains operated 230 V, outage reserve	Arabic	52.369.410	52.369.510	52.369.610
	DIN bars	52.369.420	52.369.520	52.369.620
Slave clock, minute pulse 12...60 V	Arabic	71.369.410	71.369.510	71.369.610
	DIN bars	71.369.420	71.369.520	71.369.620
Slave clock, pulse telegram <i>DCFport24</i> , 24 V	Arabic	81.369.410	81.369.510	81.369.610
	DIN bars	81.369.420	81.369.520	81.369.620
NTP system clock (NTP client), PoE	Arabic	91.369.410	91.369.510	91.369.610
	DIN bars	91.369.420	91.369.520	91.369.620

Options	Suffix
Packaging against dust and spray (IP 54)	-54
Resistance to thrown balls acc. to DIN 18032, part 3	-59



71.370.511 -59



51.370.511 -22 -54

Type series 370

dia 400–600 mm

Square clock for large spaces single face · for wall mounting

Sturdy wall clock for gymnasiums and indoor swimming pools

Available with case dimensions of 400x400 mm, 500x500 mm, and 600x600 mm. Very sturdy metal case, enamelled RAL 9016, choice of face print with Arabic numerals or DIN bar markings. Hour and minute hands painted black.

Options:

- Packaging against dust and spray
- Resistant to thrown balls

Stainless steel V4A + varnish (option) as a protection against chlorinated air

DCF77 radio controlled clock including an integrated receiving aerial, 1.5 V battery operated or 230 V mains operated.

Slave clock to be connected to a master clock, choice of alternating minute pulses or *DCFport24* pulse telegram.

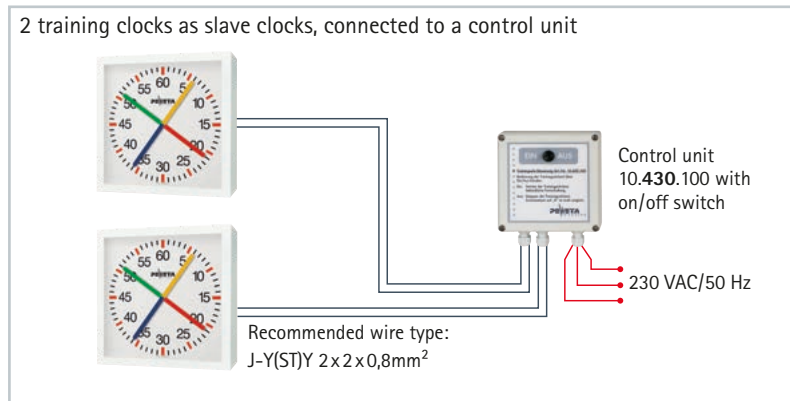
NTP clock (NTP client), synchronisation via NTP/LAN with power supplied by PoE (Power over Ethernet).

Clock type	Case dimensions Face print	400 x 400	500 x 500	600 x 600
		Item No.	Item No.	Item No.
DCF77 radio controlled clock, battery operated 1.5 V	Arabic	51.370.411	51.370.511	51.370.611
	DIN bars	51.370.421	51.370.521	51.370.621
DCF77 radio controlled clock, mains operated 230 V, outage reserve	Arabic	52.370.411	52.370.511	52.370.611
	DIN bars	52.370.421	52.370.521	52.370.621
Slave clock, minute pulse 12...60 V	Arabic	71.370.411	71.370.511	71.370.611
	DIN bars	71.370.421	71.370.521	71.370.621
Slave clock, pulse telegram <i>DCFport24</i> , 24 V	Arabic	81.370.411	81.370.511	81.370.611
	DIN bars	81.370.421	81.370.521	81.370.621
NTP system clock (NTP client), PoE	Arabic	91.370.411	91.370.511	91.370.611
	DIN bars	91.370.421	91.370.521	91.370.621

Options	Suffix
Case stainless steel V4A, blasted and varnished	-22
Packaging against dust and spray (IP 54)	-54
Resistance to thrown balls acc. to DIN 18032, part 3	-59

Training Clocks/Pace Clocks for swim training

These training clocks allow the display of split times during swimming training and during warm-up. Every swimmer takes his own time. The 4-coloured seconds cross shows the time elapsed, one revolution corresponds to 60 seconds.



Technology

We manufacture our training clocks using durable, industrial quality slave clock movements. The cross-shaped hand jumps by one unit every second. This achieves a higher accuracy than using creeping hands powered by synchronous motors.

Function

The (swim) training/pace clock can be used by any number of swimmers simultaneously. The crossed second hands show the time elapsed in seconds. The swimmer will wait for a maximum of 14 seconds until the next

colour of the four second hands ("his" colour) reaches the 12-o'clock-position and will then memorise the colours of "his" hand. Upon reaching the edge of the pool (after 1 or 2 laps) the time elapsed can be read according to the position of "his" second hand.



Type series 430

600x600 mm

Swim Training Clock

for indoors · 4-coloured seconds cross

For the display of (split) times during swim training

Very sturdy metal case, enamelled RAL 9016 (traffic white), packaged against dust and spray in swimming pool areas (IP 54). Face printed with red-black seconds graduation and black numerals, 4-coloured seconds cross.

Choice of fixed wall mounting version (230 V power supply) or 1.5 V battery powered version with 2 pivoted feet for positioning at a pool's edge (no disturbing wire!).

For parallel operation of 2 training clocks available as a slave clock to be connected to a control unit.

Clock type	Item No.
Quartz clock, battery operated 2 x 1.5 V, with feet for positioning at a pool's edge	41.430.611
Quartz clock, mains operated 230 V, for fixed on-wall mounting	42.430.611
Slave clock, minute pulse 24 V, for on-wall mounting	71.430.611

Accessory	Item No.
Control unit for 2 training clocks 71.430.611, operating power 230 V	10.430.100



Type series 765

642x642 mm

Swim Training Clock

for indoors and outdoors · backlighted

For the display of (split) times during swim training

Very sturdy, weatherproof metal case, Outside 2-layer tempered enamel, light grey (RAL 7035), packaged against dust and spray in swimming pool areas (IP 54). Backlighted face with red-black

seconds graduation and black numerals, 4-coloured seconds cross.

Back lighting by durable, maintenance-free LEDs, operating voltage 230 V AC/50-60 Hz.

For parallel operation of 2 training clocks available as a slave clock to be connected to a control unit.

Clock type	Item No.
Quartz clock, mains operated 230 V, for fixed on-wall mounting	42.765.611
Slave clock, minute pulse 24 V, for on-wall mounting	71.765.611

Accessory	Item No.
Control unit for 2 training clocks 71.765.611, operating power 230 V	10.430.100



52.730.511 -59



71.730.621

Type series 730

Outdoor Clock, Round

dia 446–646 mm

single face · for wall mounting

Sturdy outdoor clock for sports and tennis courts, school yards and outdoor pools

Available with case diameters of 446 mm, 546 mm, and 646 mm. Very sturdy, weatherproof metal case (IP 54), enamelled DB703 (metallic dark gun metal), Face printed with Arabic numerals or DIN bar markings. Hour and minute hands painted black.

Option:

- Resistant to thrown balls acc. to DIN 18032/3 for use in gymnasiums or sports halls.

DCF77 radio controlled clock including a remotable receiving aerial, 1.5 V battery operated or 230 V mains operated.

Slave clock to be connected to a master clock, choice of alternating minute pulses or DCFport24 pulse telegram.

NTP clock (NTP client), synchronisation via NTP/LAN with power supplied by PoE (Power over Ethernet).

Clock type	Case diameter ▶ Face print ▼	446 mm	546 mm	646 mm
		Item No.	Item No.	Item No.
DCF77 radio controlled clock, battery operated 2 x 1.5 V	Arabic	51.730.411	51.730.511	51.730.611
	DIN bars	51.730.421	51.730.521	51.730.621
DCF77 radio controlled clock mains operated 230 VAC	Arabic	52.730.411	52.730.511	52.730.611
	DIN bars	52.730.421	52.730.521	52.730.621
Slave clock, minute pulse 12...60 V	Arabic	71.730.411	71.730.511	71.730.611
	DIN bars	71.730.421	71.730.521	71.730.621
Slave clock, DCFport24 pulse telegram, 24 V	Arabic	81.730.411	81.730.511	81.730.611
	DIN bars	81.730.421	81.730.521	81.730.621
NTP system clock (NTP client), PoE	Arabic	91.730.411	91.730.511	91.730.611
	DIN bars	91.730.421	91.730.521	91.730.621
Option				Suffix
Resistance to thrown balls acc. to DIN 18032, part 3				-59

Type series 820

LED Digital Displays, for indoor and outdoor use

CH 100/180 mm

4-digit display showing time, temperature, or stopwatch mode



52.820.181



52.820.181, temperature display



52.820.181, stopwatch mode

Sturdy LED digital display for gymnasiums and tennis courts, indoor and outdoor pools.

Available with cipher heights 100 mm as well as 180 mm. Sturdy aluminium case, coloured black, protection grade IP 65. 4-digit display with double-row outdoor LEDs, cipher colour red (other LED colours available upon request). Alternating display of time, date and temperature possible, including stopwatch mode (count-up/count-down). Supplied with an infrared remote control for adjusting and programming the stopwatch function.

Quartz clock, mains operated 230 VAC. DCF77-radio controlled clock including external receiving aerial, mains operated 230 VAC.

Slave clock to be connected to a clock system/master clock, optionally for alternating minute pulses or DCFport24 pulse telegram.

NTP clock (NTP-client), synchronization via NTP/LAN, mains operated 230 VAC.

Option:

- Resistant to thrown balls with 5 mm polycarbonate front glass.

Clock type	Cipher height ▶ Operating voltage ▼	100 mm	180 mm
		Item No.	Item No.
Quartz clock	230 VAC	42.820.101	42.820.181
DCF77 radio controlled clock, including external receiving aerial (IP 54)	230 VAC	52.820.101	52.820.181
Slave clock, minute pulse 24 V	230 VAC	71.820.101	71.820.181
Telegram slave clock, DCFport24, 24 V	230 VAC	83.820.101	83.820.181
NTP system clock (NTP client), synchronisation by LAN	230 VAC	93.820.101	93.820.181
Option			
Case custom enamelled			
Resistant to thrown balls with 5 mm polycarbonate front glass			
Alternating temperature display, including external temperature sensor (IP 54)			
White LEDs			
Blue LEDs			
			Suffix
			-10
			-58
			-66
			-76
			-80

Type series 840

LED-Swimming Pool Displays, for indoor and outdoor use

CH 100/180 mm

Showing time and 1, 2, or 3 temperatures



Sturdy LED Digital Display for swimming pools and outdoor pools

Single face LED-Digital Display for indoor or outdoor use showing time and 1, 2, or 3 temperatures optionally.

- 4-digit time display
- Display of 1, 2, or 3 temperatures
- Cipher height 100 mm or 180 mm

Sturdy aluminum case, coloured black, protection grade IP 65. Front cover made of plexiglass treated for low reflectivity.

4-digit time display and 1 .. 3 temperature displays, 3 digits, optionally with 2-digit number with choice of degree symbol or decimal place.

Double-row outdoor LEDs, cipher colour red. Other LED colours also for individual rows, optionally available.

Your choice

Use the table to select the number of temperature displays and the number of sensors required. The order of the displays and the permanent markings (symbols or text) are freely selectable.

Temperature measurement

Temperature readings may either be set manually or be measured using external sensors.

Manual input is recommended for constant temperatures (indoor air, water). Appropriate sensors are available for temperature measurement (accessories).

Infrared remote control

for setup and programming included in delivery shipment.



Technical data	Case	Cipher height 100 mm	Cipher height 180 mm
2-line display	dimensions W x H x D	cir. 530 x 360 x 60 mm	cir. 940 x 560 x 60 mm
	weight	cir. 10 kg	cir. 24 kg
3-line display	dimensions W x H x D	cir. 530 x 515 x 60 mm	cir. 940 x 830 x 60 mm
	weight	cir. 14 kg	cir. 35 kg
4-line display	dimensions W x H x D	cir. 530 x 670 x 60 mm	cir. 940 x 1.090 x 60 mm
	weight	cir. 17 kg	cir. 44 kg

Type	Cipher height Operating voltage	100 mm Item No.	180 mm Item No.
2-line display of time and 1 temperature	230 VAC	42.840.102	42.840.182
3-line display of time and 2 temperatures	230 VAC	42.840.103	42.840.183
4-line display of time and 3 temperatures	230 VAC	42.840.104	42.840.184

Accessories	Item No.
DCF77 receiving aerial (IP 54)	03.925.181
Air temperature sensor (IP 66) with 3 m connection wire	04.840.103
Air temperature sensor (IP 66) with 30 m connection wire	04.840.130
Water temperature sensor RS485 (IP 68) with terminal box	04.840.200



Options	Suffix
Case custom enamelled	-10
White LEDs	-76
Amber LEDs	-78
Green LEDs	-79
Blue LEDs	-80