



The D2012 transmitter

This hand-held transmitter has a compact, user-friendly design. Twelve large, square buttons take up the whole front of the transmitter, making it easy to operate. All the buttons are clearly labelled and have dedicated LEDs indicating active functions. The flexible software makes the transmitter suitable for a wide range of applications.

Comprehensive safety

The transmitter is equipped with a built-in start control, preventing start-up in the event of safety-critical errors. LED indicators and audible signals inform the user as to what has caused the error. The transmitter continuously sends information to the receiver using a digitally verified protocol unique to Datek. In the event of even the smallest error arising, the receiver will immediately (<0.5 seconds) revert to a safe stop mode.

Each Datek transmitter is assigned a unique ID code, ensuring that any given transmitter can only activate its own dedicated receiver. No other transmitter or product can ever activate a Datek system.

Durable and user-friendly

The transmitter has 12 large push buttons with interchangeable labels protected by transparent plastic caps. The caps keep the symbols in place and prevent them from becoming worn over time. The transmitter is supplied with customised labelling using the customer's chosen text, symbols and colours.

The large buttons are easy to operate even when wearing gloves. They are also durable and have been tested for three million operations. The push buttons have a distinct tactile sensation in one or two speed steps. LEDs by each button indicate active functions and operating status.

Flexible and smart control

The transmitter can be configured from the keypad without any external tools or software. Frequency, shut-off time and momentary/locking functions are some of the features that can be reprogrammed with a few simple key presses.

Product benefits

- Compact and handy, with large buttons making it easy to use even when wearing gloves
- Designed for challenging environments and reliable operation. The transmitter complies with protection class IP65 and can withstand chemicals, cold, heat and humidity
- An LED by each button indicates active functions and operating status
- Can be customised for a wide range of applications and according to preference
- The use of a unique digital protocol and verification by double processors ensures safety
- Backwards compatibility makes it possible to use the D2012 in place of previous transmitter models

Buttons for trolley selection, multi-function control and micro speed enable easy crane operations. With the multi-function feature, several motions and speed levels can be activated and run simultaneously from one single button. Releasing the button stops all operations. The micro button disables the second speed level on all motions.

On transmitters with single-step buttons, a Shift button changes the functionality of the buttons. This makes it possible to control 20 different digital functions, even though the transmitter is only equipped with 12 push buttons. The buttons either have momentary functions, which give a signal for only as long as you keep pressing, or a lock function. The LEDs indicate active functions.

Extended speed levels

It is possible to use extended speed levels when the transmitter is used for applications that have more than two speed steps. The button has two mechanical steps, but when it is held in its second step the speed is automatically increased further.

If the button is released to its first step, the transmitter maintains the speed. The transmitter can handle a maximum of four functions with up to seven speed levels.

Safe multiple operation

Multiple-receiver operation means that one transmitter can take control of up to two receivers at the same time. This makes it easy to handle simultaneous lifting, for instance. Multiple-transmitter operation means that the control can be shifted between two transmitters. Handovers may be appropriate in the case of long transfers where the view is blocked.

Datek's multiple operation ensures that only one transmitter at a time can have control of the receiver. Operators have to make an active choice to transfer the control, by either relinquishing control or taking control.

Backwards compatibility

The D2012 is backwards compatible and can substitute for Datek's previous transmitter models. This makes it possible to update an older system using a new transmitter without making modifications to the radio receiver and relay cabinet. Datek's products are generally backwards compatible in terms of both hardware and software, so that we can provide the best possible service.

Long operation time

The interchangeable battery has a continuous operating time of up to 24 hours. The battery can be recharged in 2.5 hours using the accompanying battery charger. The charger can run on 12–24 VDC for mobile applications and 110/230 VAC for stationary ones.



General information

Dimensions	162 x 63 x 32 mm
Weight	350 g with battery
Temperature range	-25° – 70°C
Protection class	IP65

Radio transmission

Frequency	406 – 472 MHz
Output power	10 mW
Range	>100 m

Power supply

Battery	6 VDC NiMH
Effective operating time	<24 hours continual operation
Charging time	2.5 hours

Push buttons

Number	12 with interchangeable symbols
Steps	1 – 2
Extended speed levels	≤7 levels

Control functions

Digital	Max. 28. 12 simultaneously
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Further information

For more information about our radio systems, please visit our website at www.datek.net or call us on +46 8 534 101 50. We will be glad to help you.