JOG-DIAL



Advanced multifunction control for off-highway operator interfaces

Rotary encoder, six tactile pushbuttons, RGB feedback and CAN connectivity in a compact and customizable platform.

6	ENCODER	UP TO 6	CAN 2.0B
LOCAL PUSHBUTTONS	ROTARY + PUSH	EXTERNAL FINGERTIPS	CONNECTIVITY

JOG-DIAL



KEY BENEFITS

SIMPLIFIED ELECTRONICS	Concentrates local and remote operator commands into one CAN-connected module.
INTUITIVE OPERATION	Rotary encoder + push action + six dedicated keys for fast and natural user interaction.
OEM CUSTOMIZATION	Configurable symbol plates support machine variants without changing the core hardware.
CLEAR VISUAL FEEDBACK	RGB illumination helps communicate machine functions and operating status.

CONFIGURABLE SYMBOL PLATES

Customer-configurable symbol plates

JOG-DIAL features six removable key symbol plates that can be selected according to the machine function and customer layout.

This allows the same hardware platform to support different vehicle variants while keeping a consistent user experience.

The OEM can also insert or apply the selected symbol plates directly on its own assembly line, aligning the interface with the final machine configuration.



SMARTER COMMAND ARCHITECTURE

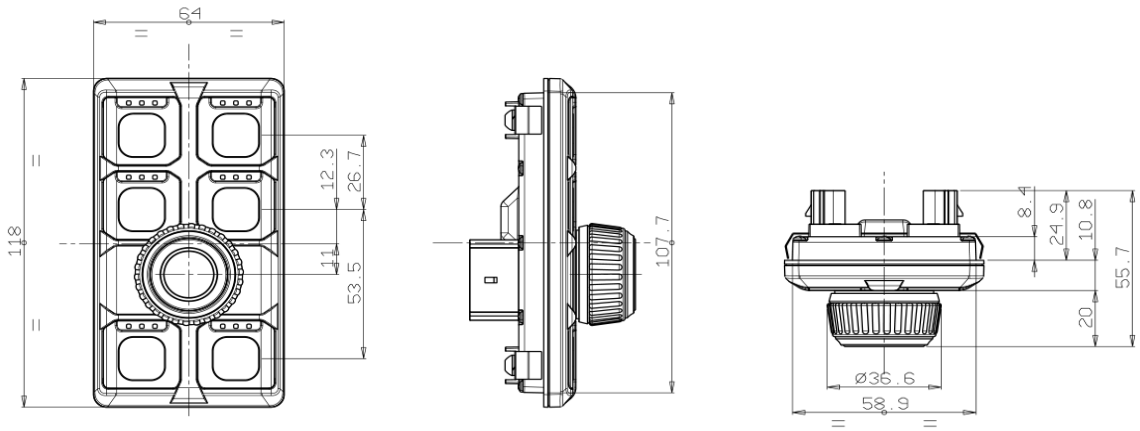
LOCAL + REMOTE INPUTS	Local keys, rotary encoder and external fingertips can all be managed by the JOG-DIAL module.
CAN INTEGRATION	One CAN communication interface for local and external input states.
MODULAR MACHINE VARIANTS	Different customer layouts can be supported through application-specific mapping and symbol sets.
PREMIUM VISUAL IDENTITY	Illuminated controls and a distinctive form factor contribute to a modern cockpit look.

KEY FEATURES & DIMENSIONS

TECHNICAL HIGHLIGHTS

Nominal vehicle supply	12 / 24 Vdc
Operating supply range	6–32 Vdc (preliminary specification)
Operating temperature	−30 °C to +85 °C
Communication	CAN 2.0B
Local controls	6 pushbuttons + rotary encoder with push
External command inputs	Up to 6 fingertips
Illumination	RGB LEDs
Housing / keypad	PC/ABS / silicone
Ingress protection	IP67
Main electronic platform	STM32G0B1VET6

DIMENSIONS



FUNCTIONAL LINK WITH 6 EXTERNAL FINGERTIPS

JOG-DIAL can acquire up to six external fingertip inputs, manage them locally together with the encoder and pushbuttons, and transmit commands over CANBUS.

