

FPHD

HEAVY DUTY FOOT PEDAL

J.R. MERRITT
CONTROLS 

Built for tough environments, the FPHD is an all-metal foot pedal that delivers precise, long-lasting control. With contactless Hall-Effect technology and multiple configuration options, the FPHD offers smooth performance and rugged durability where it matters most.



HEAVY DUTY &
DURABLE



CUSTOMIZABLE
DESIGN



CONTACTLESS
OUTPUT

FEATURES

- Built with all-metal construction to ensure outstanding durability.
- Configurable design allows customization to suit your specific application.
- Compact footprint makes it ideal for tight installation spaces.
- Provides smooth progressive pedal for precise operational control

AVAILABLE OUTPUT TYPES

- Analog Hall Effect Output
- PWM
- CAN



APPLICATIONS



Agriculture



Airports



Construction/
Off-Highway



Forestry



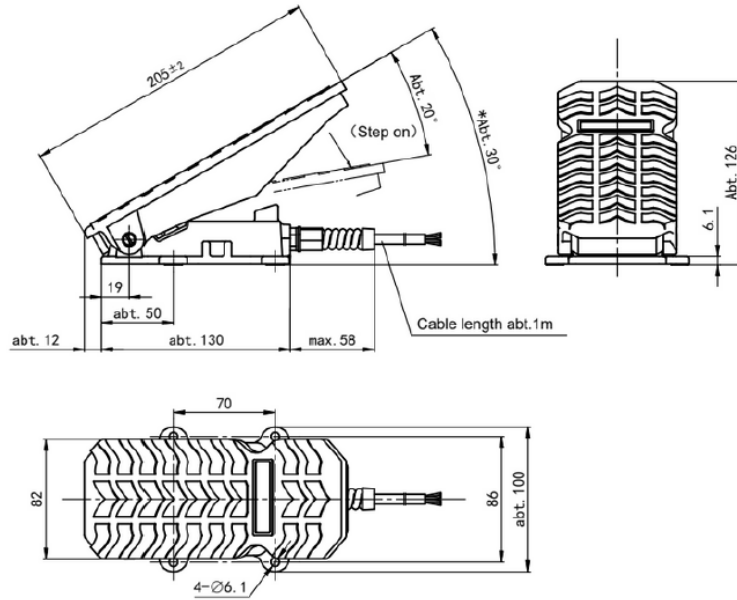
Road
Maintenance



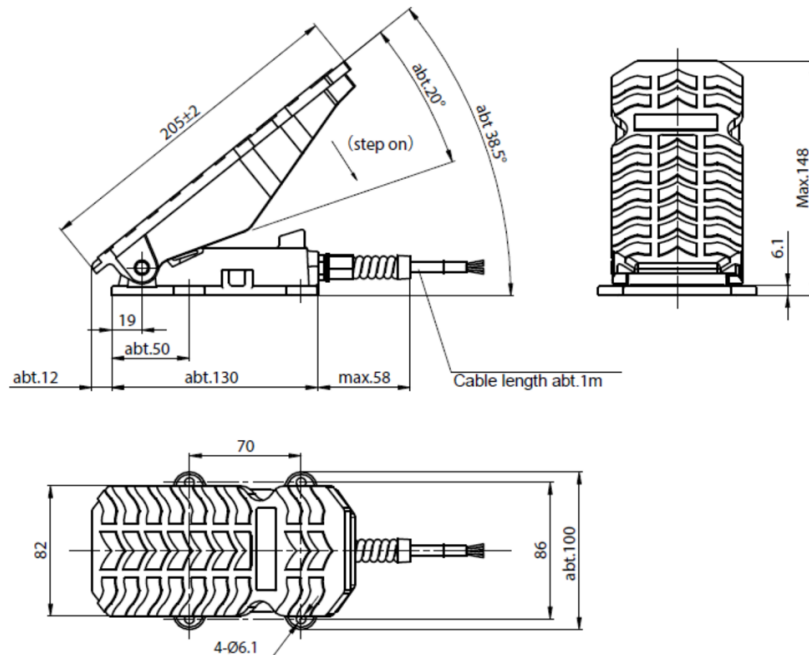
Waste &
Recycling

DIMENSIONS AND MOUNTING

30°

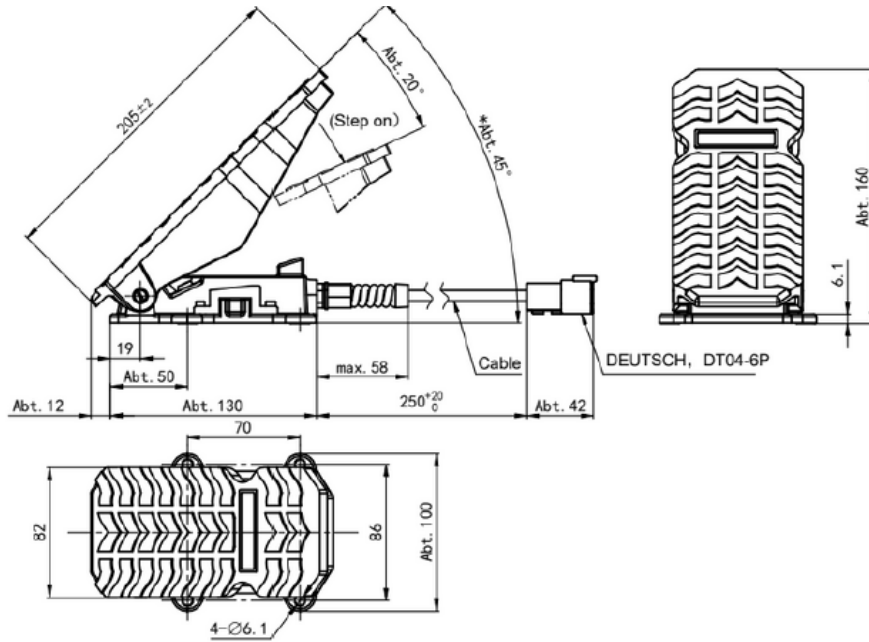


38°

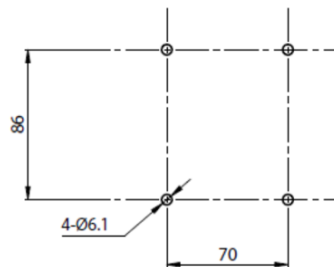


DIMENSIONS AND MOUNTING

45°



PANEL MOUNTING



SPECIFICATIONS

TERMINAL CONNECTION DIAGRAM

GREEN	BLUE	YELLOW	WHITE	BLACK	RED
-	-	-	OUT	GND	VCC

MECHANICAL SPECIFICATIONS	
Pedal Travel	Approx. 20°
Operating Force	10 ~ 60N
Mechanical Life	20 Million life cycles
Vibration	10 ~ 55Hz 98m/s ²
Shock	294m/s ²

ENVIRONMENTAL SPECIFICATIONS	
IP Rating	IP65
Operating Temperature	-40° F to 185° F [-40° C to 85° C]
Storage Temperature	-40° F to 185° F [-40° C to 85° C]

ELECTRICAL SPECIFICATIONS HALL-EFFECT	
Supply Voltage	9-30 VDC
Output	4.5 - 0.5 VDC
Independent Linearity Tolerance	3%
Current Consumption no-load	<10mA
Output Deviation of Both Ends	<1% VCC

ELECTRICAL SPECIFICATIONS SWITCH	
Switched Output	3° of initial stepping
Rating	Level signal and max 5mA