Arens Controls

Transmission Shifter

T80 Series

The T80 Transmission Shifter provides a stylish, ergonomic design with durable, long-life construction. The compact, space-saving design contains many features required in modern vehicles including heavy-duty mining and aggregate vehicles.

The T80 is built to work individually or in multiple lever assemblies in applications where an auxiliary system is traditionally mounted next to the transmissions shifter. This shifter is ideal for articulated mining trucks and vocational On-Highway trucks as well as other non-traditional Construction and Agricultural vehicles that require an Electronic Transmission Shifter and a hoist/dump control.

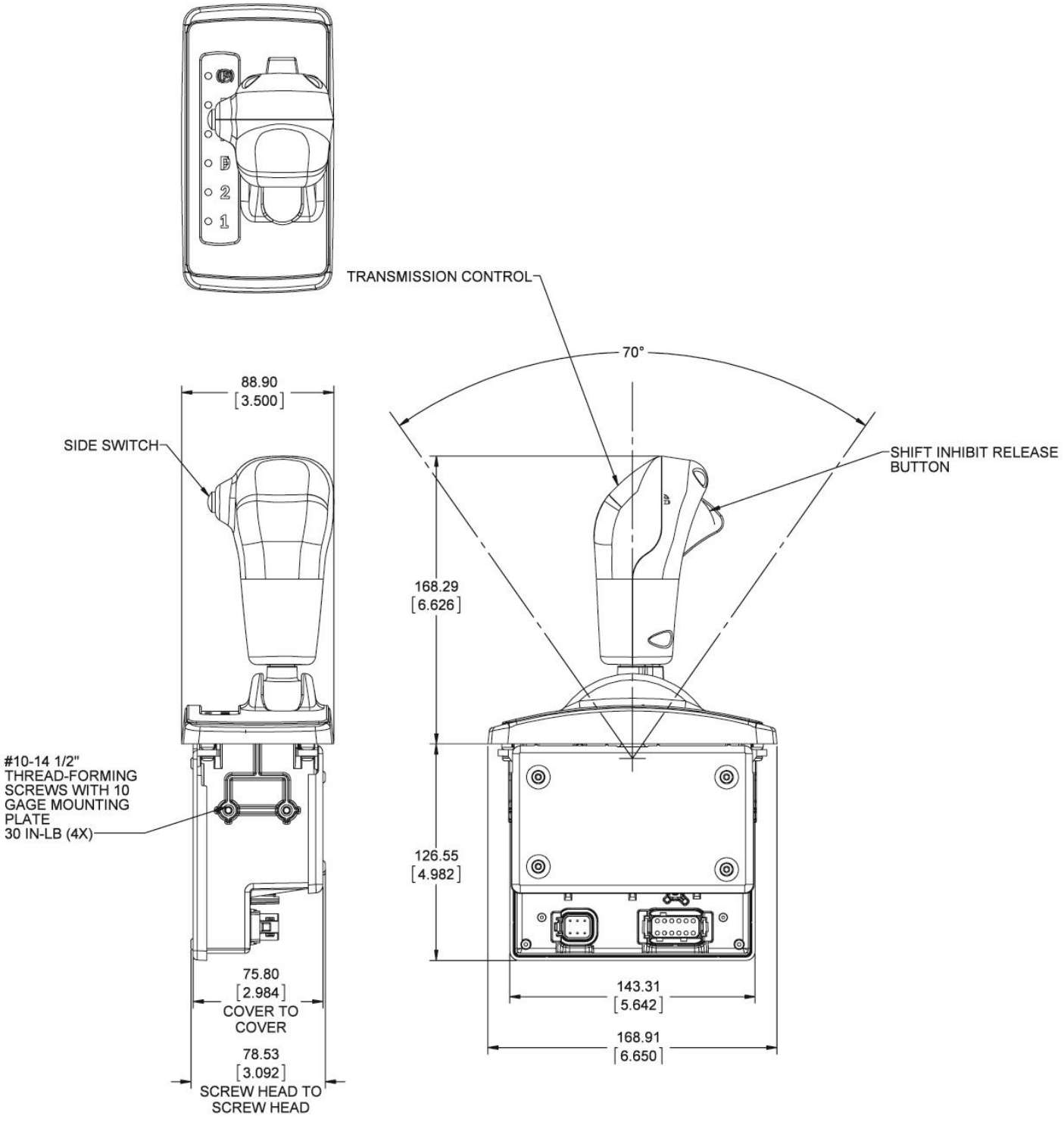
The T80 is designed with CAN Communication capability, allowing it to easily connect into the electronic architecture. Other output signals can be specified as required by Vehicle OEMs.

Customizable handles are available based on the Vehicle OEM requirements. Optional pushbutton switches can be fitted into the handle as required.

SPECIFICATIONS

ELECTRICAL	
SUPPLY VOLTAGE, DISPLAY LED	12Vdc or 24Vdc
VOLTAGE & CURRENT CONSUMPTION	9-32Vdc, 75mA typical
CONNECTORS	Deutsch, other models optional
LED INDICATORS	50,000 Hour life nominal
OUTPUTS	CAN J1939, PWM Output (Open Drain)
MECHANICAL	
MECHANICAL ANGLE, HANDLE	70º max movement for 6-Position 42º limited available for 4-Position
EXPECTED LIFE	2 million cycles
WEIGHT	3 pounds (1.4kg) maximum
ENVIRONMENTAL	
PROTECTION RATING	IP67 above panel & electronics
OPERATING (STORAGE) TEMPERATURE	-40 to +85°C (-50 to +85°C)
EMC IMMUNITY & EMISSION LEVEL	140 V/m, Complies with CISPR
ESD IMMUNITY LEVEL	ISO 10605 ±15kV air discharge
VIBRATION	Random vibration of 8Grms through 3 planes at 6 hours/plane
SHOCK	Drop from height of 1.2M on each of 6 axial planes

MECHANICAL DIMENSIONS (mm)



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