Autonics Specifications Push Button Type Photo Micro Sensor Model **BS5-P SERIES** INSTRUCTION MANUAL Button CE External input^{**} Thank you for choosing our Autonics product. Please read the following safety considerations before use. Safety Considerations % Please observe all safety considerations for safe and proper product operation to avoid hazards. $\times \Lambda$ symbol represents caution due to special circumstances in which hazards may occur. Marning Failure to follow these instructions may result in serious injury or death. Shock Caution Failure to follow these instructions may result in personal injury or product damage A Warning 1. Fail-safe device must be installed when using the unit with machinery that may cause ment serious injury or substantial economic loss. (e.g. nuclear power control, medical equipmen ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime/disaster prevention devices, etc.) Failure to follow this instruction may result in personal injury, economic loss or fire. 2. Do not use the unit in the place where flammable/explosive/corrosive gas, high humidity, direct Cable sunlight, radiant heat, vibration, impact, or salinity may be present. Failure to follow this instruction may result in explosion or fire 3. Do not disassemble or modify the unit. Failure to follow this instruction may result in fire. 4. Do not connect, repair, or inspect the unit while connected to a power source. Failure to follow this instruction may result in fire. 5. Check 'Connections' before wiring. Failure to follow this instruction may result in fire. **▲** Caution 1. Use the unit within the rated specifications. Failure to follow this instruction may result in fire or product damage 2. Use dry cloth to clean the unit, and do not use water or organic solvent Failure to follow this instruction may result in fire. Model Operation Mode Appearance Connection Operation Control output range Light ON BS5-P1ML NPN open collector output (Output OFF when button is BS5-P1ML-F PNP open collector output Push button Cable type pushed) 0 to 5mm type (1m) BS5-P1MD NPN open collector outpu Dark ON (Output ON whe BS5-P1MD-P button is pushed) PNP open collector output Operation Mode Operation Light ON Dark ON (Output OFF when button is pushed) (Output ON when button is pushed) Pushed Button positio Raised Raised Receiver light light operatior light Operation ON ON ndicato OFF OFF (red LED) ON Transistor output OFF OFF %The above specifications are subject to change and some models may be discontinued without notice. ※Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage).





Installation

Control Output Circuit Diagram

When installing the product, tighten the screw with a tightening torque of 0.59N·m.





DRW160238AC Laser Welding/Cutting System