

OPERATOR'S MANUAL AND SAFETY INSTRUCTIONS

MODEL SC & SCV

O.S. WALKER

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**1-800-W-MAGNET
O.S. WALKER, INC.**

▲ DANGER

**Never attempt to operate this control until you
have read and understand this OPERATOR'S
MANUAL**

INSTALLATION AND OPERATING INSTRUCTIONS

This Electromagnetic Chuck Control provides a direct current supply and variable magnetic holding feature that permits a steel workpiece to be held in place on the chuck surface. It has a release circuit that enables the workpiece to be removed with ease.

INSTALLATION INSTRUCTIONS

The O. S. Walker Machine Mounted Magnetic Chuck Control is a fully enclosed unit. The unit should be mounted in an area where it will not be subjected to physical damage or excessive moisture. The chuck control unit should be securely mounted to the machine to ensure proper electrical ground. The chuck must be grounded to the control when not mounted on machinery. See Figure 1 for outline and mounting dimensions.

OPERATING INSTRUCTIONS

This control has a switch with three positions: On, Off and Release. There is also a variable power control knob to adjust chuck holding power from 0-100%

- A. In the On position, the control circuit will remain on and the power will be delivered to the chuck. By turning the variable power control knob clockwise and counter-clockwise, the magnetic field of the chuck can be increased and decreased.
- B. In the Off position, the power being delivered to the magnetic chuck is cut off. In this mode the workpiece will still be held in its original position with residual holding.
- C. In the Release position, the control circuit will enable the operator to free the workpiece. However, because of the manual operation of this model, there may be residual magnetism left in the workpiece. The minimum release time is 1 second.

SAFETY INSTRUCTIONS

GENERAL SAFETY RULES

Follow these simple safety rules can help to avoid accidents:

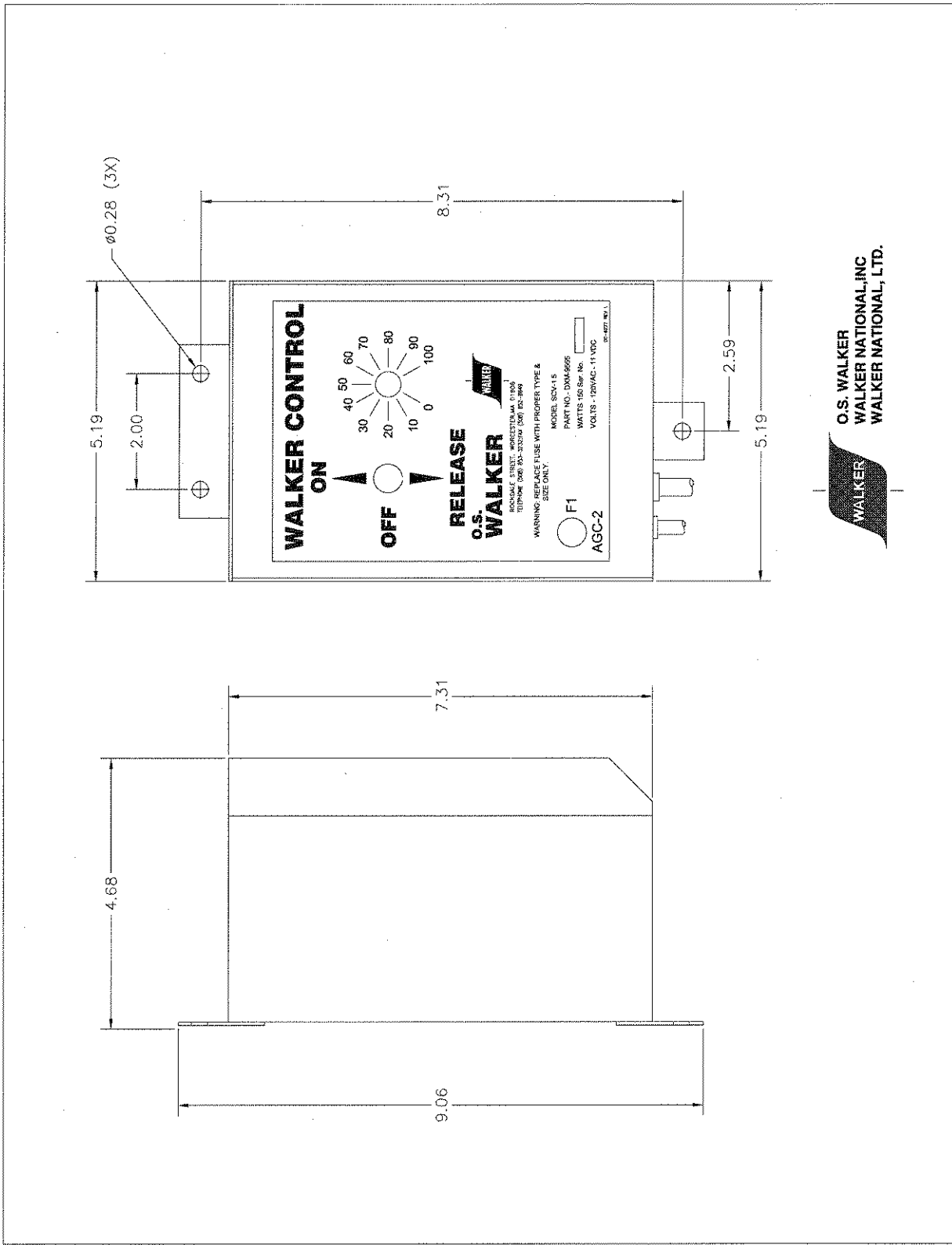
DANGER

- **Never** attempt to operate this control and your magnetic chuck until you read and understand this operator's manual.
- **Never** disconnect a magnetic chuck from the control's DC power source while it is energized! Electrical arcing will occur and may cause serious injury or death.
- **Only** qualified personnel shall make adjustments within the control while it is energized!
- **Never** operate the control and chuck until it has been verified that a proper electrical ground for the control and Chuck has been established.
- **Never** perform any machining of work pieces on the magnetic chuck with the control setting in the "Residual" mode.
- **Never** operate damaged or malfunctioning controls or magnetic chucks.

Remember, proper knowledge and techniques in the use of this equipment are the responsibility of the operator. Be sure to read and understand the instructions and safety warnings contained in this manual before using your chuck control and magnetic chuck.

If you do not understand everything in this manual contact O.S. Walker for assistance before using the equipment.

Call 1-800-W-MAGNET
(1-800-962-4638)



O.S. WALKER
WALKER NATIONAL, INC.
WALKER NATIONAL, LTD.

SPARE PARTS LIST

PART DESC.	SMMC-1.5	SMMCV-1.5	SC-1.5	SCV-1.5
Fuse	18-1012	18-1012	18-1012	18-1012
Twist Lock Plug	11-2007	11-2007	11-2007	11-2007
Cover, Rubber	11-2008	11-2008	11-2008	11-2008
PC Board	--	--	56-DD14750	39-DD14041
PCB Kit	56-DD14751	56-DD14754	--	--
AC Cord Kit	56-DD14752	56-DD14752	56-DD14752	56-DD14752
DC Cord Kit	56-DD14753	DD-14753	56-DD14753	56-DD14753
Potentiometer Knob	--	14-2004	--	14-2004