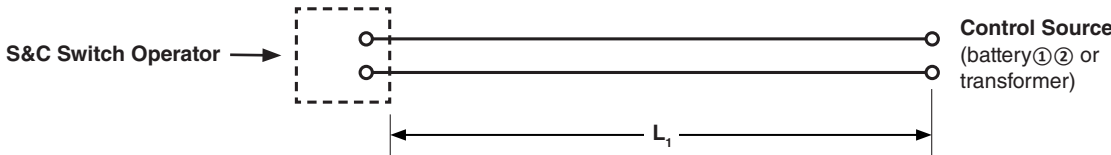


Table 1. Type LS-1 and Type LS-2 Switch Operators

SCHEMATIC DIAGRAM
(Wiring to be furnished by user)



The diagram illustrates the electrical connection between an S&C Switch Operator and a Control Source. The S&C Switch Operator is represented by a dashed rectangular box on the left. Two parallel horizontal lines, representing control wires, extend from the right side of this box to the right. Each wire terminates in a small circle, representing a terminal. The Control Source, located on the right, is labeled as "(battery^{①②} or transformer)". A double-headed horizontal arrow below the wires indicates the distance between the S&C Switch Operator and the Control Source, labeled as L_1 .

Application		S&C Switch Operator		Control Source Voltage	Motor		Minimum Size of Control Wire ^③ for Line L_1 A.W.G.						
High-Voltage Device	Rating of High-Voltage Device	Type	Catalog Number		Rating, Volts	Accelerating Current at Rated Voltage, Amperes	Distance, Feet (m)						
							100 (30)	200 (61)	300 (91)	400 (122)	500 (152)	1000 (305)	2000 (610)
Switches and disconnects not of S&C Manufacture	7.2 thru 345 kV	LS-1	38857R1-A	48 Vdc	48	27	10	8	6	4	4	1	3/0
			38857R1-B	125 Vdc	125	10	12	12	12	10	10	8	4
Line-Rupter™ Switches	115 thru 230 kV	LS-2	38915-A	48 Vdc	48	30	10	8	6	4	4	1	3/0
			38915-B	125 Vdc	125	15	12	10	8	8	6	4	1

① Recommended minimum battery ratings for Type LS-1 Switch Operators are:

Volts, dc	One-Minute Discharge Rate, Amperes
48	36
125	16

② Recommended minimum battery ratings for Type LS-2 Switch Operators are:

Volts, dc	One-Minute Discharge Rate, Amperes
48	75
125	36

③ Where long distances and large wire sizes are encountered, comparative cost of relocating the battery closer to the switch operator should be considered.

