

# INSTALLATION



## WIRE GAUGE SELECTION CHART

### WIRE GAUGE SELECTIONS

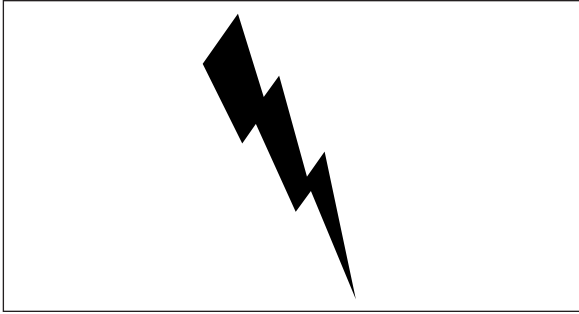
Total One Way Length of Wire Run (ft.)	Load Current @24V							
	1/4A	1/2A	3/4A	1A	1-1/4A	1-1/2A	2A	3A
100	20	18	16	16	14	14	12	10
150	20	16	14	14	12	12	10	--
200	18	16	14	12	12	10	10	--
250	18	14	12	12	10	10	--	--
300	16	14	12	10	10	--	--	--
400	16	12	10	10	--	--	--	--
500	14	12	10	--	--	--	--	--
750	12	--	--	--	--	--	--	--
1000	12	--	--	--	--	--	--	--

Total One Way Length of Wire Run (ft.)	Load Current @12V					
	1/4A	1/2A	3/4A	1A	1-1/4A	1-1/2A
100	18	16	14	12	12	10
150	16	14	12	10	10	--
200	16	12	10	10	--	--
250	14	12	10	--	--	--
300	14	10	--	--	--	--
400	12	10	--	--	--	--
500	12	--	--	--	--	--
750	10	--	--	--	--	--

These recommended wire gauge selection tables are based on the 2008 National Electrical Code (2008 NEC), assume 60°C (140°F) rated wire, include a 25% safety factor, and define the amperage ratings at the listed distances that result in 5% voltage drop due to wire resistance. Five percent is normally acceptable in low voltage systems.

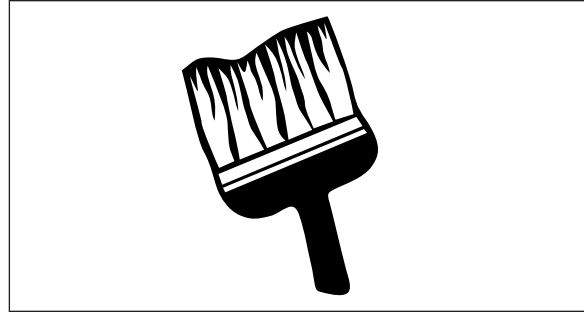
## Maintenance of DORMA Electric Strikes

Incorrect adjustments or handling of electric strikes during and after installation could damage these high quality precision products and invalidate the warranty. To avoid this, please note the following:



### ***Use proper voltage***

Standard electric strikes operate reliably provided the proper voltage is applied. If too high a voltage is applied to the coil of the strike, it will be damaged. If the voltage is too low it will not operate properly.



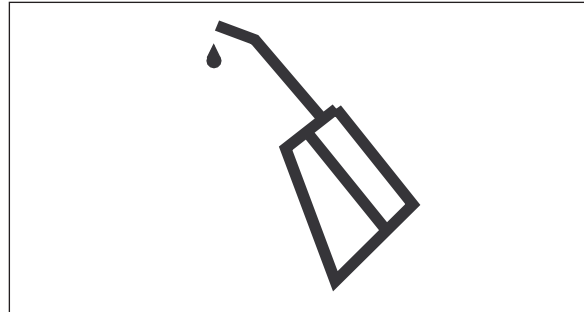
### ***Take care when painting/varnishing door frames***

Paint on the electric strike will cause it to stick; paint in the opener will interfere with the mechanism and cause it to malfunction.



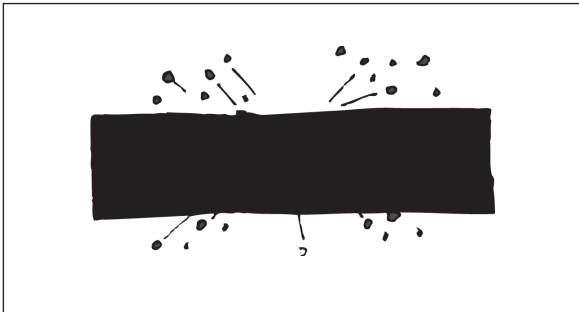
### ***Install appropriate model for use***

DORMA electric strikes are currently available for *indoor use only* and therefore should not be used on exterior applications.



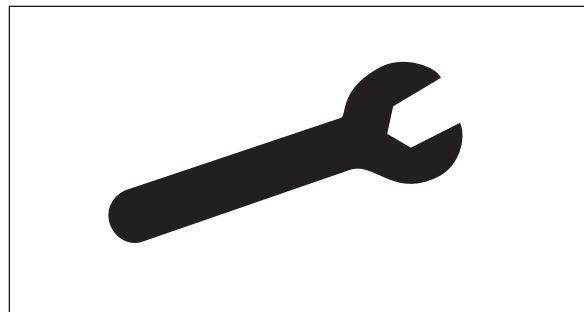
### ***No grease/oil***

Neither should be necessary on DORMA strikes. DORMA strikes are lubricated for life. In the case of rough operation apply some lubricant to the sliding surface of the keep (catch).



### ***Avoid filing/grinding dust***

Filings become magnetized and jam the armature of the operating coil. Instead of making difficult modifications why not use a DORMA electric strike featuring horizontal adjustment.



### ***No improper adjustments***

Incompetent handling invalidates the warranty. As a tradesperson you know this, but the building contractor/owner may not. Please be sure this information is passed along to the end-user of the product.

### ***Proper Storage***

This is also an essential condition of our guarantee – keep products in a dry, enclosed room, protected from the weather.