

# IGNITOR

## IMPULSE (AMERICAN TYPE)

### Functioning principle Manufacturing standards

Impulse (american type)  
NTC 3200-1, 3200-2, 2243  
IEC 60662, 61347-2-1, 60927

### PHYSICAL FEATURES

	AI-400	AI-70
<b>Dimensions</b>	35mm x 51mm	35mm x 51mm
<b>Connecting system</b>	Flexible cable AWG-18, 20 cm length, tinned blunted ends 1 cm long.	
<b>Colours</b>	● Red (feed), ● Yellow (tap), ● Blue (bulb)	○ White (line), ● Yellow (tap), ● Blue (bulb)
<b>Fixing System</b>	Metal screw, safety washer and plastic bolt	
<b>Aproximate weight (g)</b>	100	100

### ELECTRICAL FEATURES

	AI-400	AI-70
<b>Peak value of pulses (kV)</b>	2.5 - 4.0	2.0 - 2.5
<b>Tension of bulb (VAC)</b>	85 - 100	85 - 100
<b>Type of bulb</b>	HPS 100 - 400W	HPS 50 - 70W
<b>Input tension (VAC)</b>	208/220/240 (Reactor Ballast) 120/208/240/277 (CWA Ballast )	
<b>Ballast tap position</b>	7-8% of total windings towards bulb side	
<b>Frequency (Hz)</b>	50/60	50/60
<b>Pulses per cycle</b>	≥ 2	≥ 2
<b>Maximum load capacitance (pF)</b>	100	100
<b>Position of pulses (electrical °)</b>	60 - 100	60 - 100
<b>Width of start pulse (Σ widths) (μs)</b>	≥ 2	≥ 2
<b>Minimum operation tension (VAC)</b>	170	170
<b>Maximum temperature</b>	194°F (90°C)	194°F (90°C)

