KINTRONIC LABORATORIES, INC.
CUSTOM ISOLATION INDUCTORS
TO PERMIT STROBE LIGHT OPERATION ON BASE INSULATED AM TOWERS

To provide RF Isolation of the multi-conductor cables associated with strobe lighting heads when routed across the base insulator of an AM radiating mast. This allows for the placement of the Strobe Head Controller in a location isolated from the high RF field associated with the tower. Units are designed and fabricated to customer’s specific requirements.

FEATURES

ISOLATION INDUCTOR
- Inductive Slotted Winding of Copper Tube With Protective Coating Terminated In Copper Junction Boxes At Both Ends
- Size of The Inductor and The Associated Housing Will Be Determined In Accordance With The Specific Tower Operational Requirements
- Additional Wiring For Standard Side Lights Or Additional Cables For Tower Current Sampling, STL Dish or Other Applications Can Be Incorporated In The Inductor
- Up To Four Strobe Head Multi-Conductor Cables Placed Inside Copper Tube and Bypassed At Both Ends With Capacitors

WEATHERPROOF HOUSING
- All Aluminum Weatherproof Housing With Hinged, Key Locked Front Door, Offwhite Paint Finish
- Optional Aluminum Knockdown Stands To Permit Housing Installation On A Concrete Pad Are Available
- Copper Strap For RF Ground Terminated In An Interconnection Bracket On Bottom Of Housing
- RF Input Via Porcelain Feedthrough Insulator
- Output Conduit is At RF Ground Potential
- Accessories Required To Interface The Isolation Inductor With the Tower Lighting Conduit are Also Available
- Vacuum Variable Capacitor With Associated Adjustable Arc Gap To Anti-Resonate Inductor On AM Channel Tuned To Desired Value In Factory Prior To Shipment
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CUSTOM ISOLATION INDUCTOR CONFIGURED FOR DUAL STROBE HEAD INSTALLATION ON AM BROADCAST TOWER