

General

The integrated voltage detecting system LLI conforms with the requirements for voltage detection systems of the valid VDE 0682 Section 415 (IEC 61243-5). It is a 3 Phase system with which the following conditions of a medium voltage network are indicated:

Voltage not present	1	No indication
Voltage Present	1	Arrow shown for each phase with L1, L2, L3 description

Adaption to different types of RMU can be made from the model selection of unit.

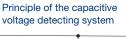
Design

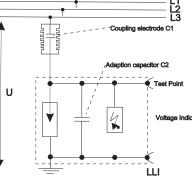
The integrated voltage detecting system LLI is located in a panel mounted housing. The display is designed as an LCD in the front, the symbol arrow, corresponding to voltage presence is shown in black. arranged on the front panel are also a LRM test point for connecting a phase comperator for LRM - interfaces. As protection against corrosion, the test point is provided with a captive plug. The unit works without external power, the display gets energised from the measuring signal.

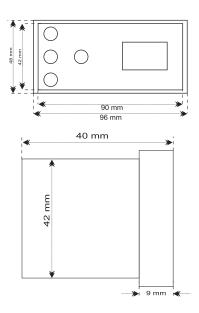
Technical Data

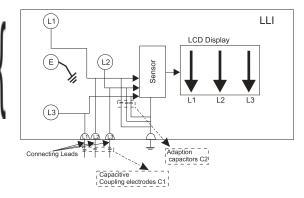
Applied standard: IEC 61243-5		(voltage detecting system)	
Indication per phase		U < 10% of U_N no voltage -> no indication U > 10% of U_N voltage present -> arrow	
Housing		front panel mounting, plastics	
Dimensions		H x W x D = 48x96x37 mm	
Recommended cut		H x W = 45 x 92 mm	
Operating temperature		-25 C to +70 C	
Storage temperature		-30 C to +80 C	
Protection class		lp54	
Connectors for signal leads		fast-on receptacles 4.8 x 0.8 mm	
Required data for order		capacitance of coupling electrode C1 rated voltage U	

				-
Model	U=	C1=	C2=	
CSE-LLI-01	3.5 <u<=7kv< td=""><td>24pF</td><td>4700 pF</td><td>Connecting</td></u<=7kv<>	24pF	4700 pF	Connecting
CSE-LLI-02	7 <u<=10kv< td=""><td>24pF</td><td>10000 pF</td><td>point 3-Phase</td></u<=10kv<>	24pF	10000 pF	point 3-Phase
CSE-LLI-03	10 <u<=24kv< td=""><td>24pF</td><td>15000 pF</td><td></td></u<=24kv<>	24pF	15000 pF	
CSE-LLI-04	3.5 <u<=7kv< td=""><td>66pF</td><td>15000 pF</td><td></td></u<=7kv<>	66pF	15000 pF	
CSE-LLI-05	7 <u<=10kv< td=""><td>66pF</td><td>22000 pF</td><td></td></u<=10kv<>	66pF	22000 pF	
CSE-LLI-06	10 <u<=24kv< td=""><td>66pF</td><td>47000 pF</td><td>]</td></u<=24kv<>	66pF	47000 pF]
				1











C&S Electric Ltd (Protection & Measurement Devices)