

COMMISSIONING PROTOCOL

LIGHTNING PROTECTION SYSTEM (LPS) USING THE DINNTECO LIGHTNING ARRESTER AND ELECTROMAGNETIC SHIELD **DDCE PLUS**

According to UNE-EN-IEC 62305

AS-BUILT INSTALLATION DATA	
Name of the protected structure	
Name of Installer	
Date of installation	
Name of customer	
Type of protected structure	
Serial No. of DDCE installed	
Location of DDCE Installed	

Nº.	EVALUATION CONCEPT	REFERENCE CONDITION	RECORD	
			YES	NO
1	Verification of installation. Installation of DDCE on the mast, fixing the mast to the structure and running arresters and connections down to the earth connection	Compliance with the DDCE instruction manual (February 2015 version)	YES <input type="checkbox"/>	NO <input type="checkbox"/>
2	Validation of DDCE height. Check that the DDCE protrudes at least 2 metres above any element, installation or component of the structure being protected	The DDCE must be located at least 2 m above any element, installation or structure within the radius of coverage of 100/50/25 m (in the case of an isolated structure), or within the radius of coverage of the installation being protected (based on a survey)	YES <input type="checkbox"/>	NO <input type="checkbox"/>
3	Validation of attachment to structure. Check that the supports of the mast to which the DDCE is fixed are correct and that it has adequate mechanical support	The mast and brackets must be designed to withstand a sustained wind of up to 250 km/h	YES <input type="checkbox"/>	NO <input type="checkbox"/>
4	Validation of the wiring. Make sure suitable cable has been used and installed for the DDCE	DDCE downwires must have a cross section of 50 mm ² or greater	YES <input type="checkbox"/>	NO <input type="checkbox"/>
5	Validation of electrical continuity. Verify the electrical continuity of the downwire between the DDCE lightning arrester and the earth connection	The downwire serves to ensure electrical continuity between the DDCE and the earth connection	YES <input type="checkbox"/>	NO <input type="checkbox"/>

nº.	EVALUATION CONCEPT	REFERENCE CONDITION	RECORD	
6	Earth connection specification			
6.1	Condition of the earth connection	The earth connection is new	YES <input type="checkbox"/>	NO <input type="checkbox"/>
6.2	Earth connection condition	A perimeter earth wire or grid has been installed	YES <input type="checkbox"/>	NO <input type="checkbox"/>
6.3	Record of the resistance of the earth connection Measure the resistance to earth of the as-built installation	$R < 10$ Ohms	R =	
6.4	Equipotentialy Equipotential bonding has been performed	Values in mA.	mA =	
6.5	Overvoltage protection	Overvoltage protectors have been installed for protection against indirect effects	YES <input type="checkbox"/>	NO <input type="checkbox"/>

COMMENTS:

ATTACH A PHOTOGRAPH OF THE AS-BUILT INSTALLATION TO THE PRESENT DOCUMENT

FINAL DATA	
Name of Installer	
Date of verification	
INSTALLER'S AGREEMENT	CUSTOMER'S AGREEMENT
<p>I certify that the maintenance has been realized in agreement to the OFFICIAL MANUAL OF INSTRUCTIONS OF THE DDCE</p> <p>*signed. Mr.</p>	<p>*signed. Mr.</p>

(*) INSTALLER'S / CUSTOMERS signature and company stamp.