	SUBJECT: (W/G)O2 Series Installation Guidelines - Electrical		NUMBER: ENG-SVC-0064
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Purpose:	Define process of W/G Series chiller power and wiring installation/connections.
Scope:	Applicable to all field personnel participating in installation of defined equipment.

Affected Equipment:


All versions of the following product lines.

Table 1: Affected Equipment

WO2-3000	WO2-2-3000
WO2-5000	(W/G)02-2-5000
(W/G)02-7500	WO2-2-7500
WO2-10000	(W/G)02-2-10000

Process:

- Refer to machine specific data tag for electrical requirements.
- Always exercise safety measures when working with high voltage systems. Wear appropriate PPE and follow all safety steps when working with the chiller system.
- Review all state and local electrical codes prior to making any electrical installations. These codes will supersede direction in this document. If any standards or codes in your geographical area conflict with directions from this document, reach out to Dimplex Thermal Solutions for support.
- Review electrical schematics in the manual that comes with the chiller unit.
- Size breaker or disconnect appropriately. See chiller name plate for additional info.
- Land main power on chiller.
- Verify phasing is correct. This can be checked at the phase monitor that is mounted in the chiller electrical panel
- Run ¾" conduit with pull string from chiller down to MRI Suite or MR mechanical room for the remote display cable
- Pull remote display cable through conduit. Standard cable is a 150' phone-like cable.
- Connect and mount Carel remote display on wall per manufacturer instructions
- Once chiller installation is complete, turn chiller disconnect "ON" to allow crankcase heaters to run for a minimum of 8 hours prior to startup. See form F-M001 for additional details

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- If you need a chiller to run in anything other than above mentioned voltages, phasing, or Hz, consult factory.
- If distance from chiller to where the remote display will be mounted is greater than 150', a Long Distance Remote Kit is required. Call DTS for information.
- DO NOT SPLICE THE REMOTE DISPLAY CABLE TO INCREASE LENGTH. This will not work and can cause a cable short that will affect the operation of the chiller.
- The system is disabled in the control parameters. When turning the electrical disconnect on, the system will not begin circulating. It will provide power to the system heaters only until a startup technician enables the system operation.

Revision History

Version	Revision Date	Description of Change	Changes Made By (Name & Title):
A	09/12/2024	Initial release of document	Ben Post, Project Engineer
B	12/3/2025	Added GO2 series to document.	Andrew Mora, Engineer