SuperSystems
incorporated

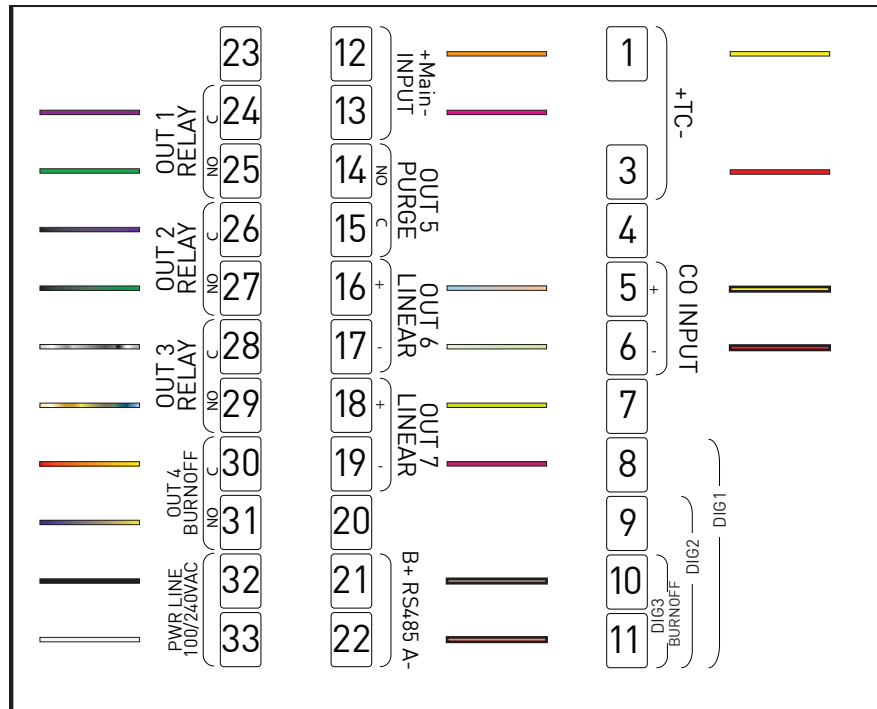## Introduction

<div align="right">
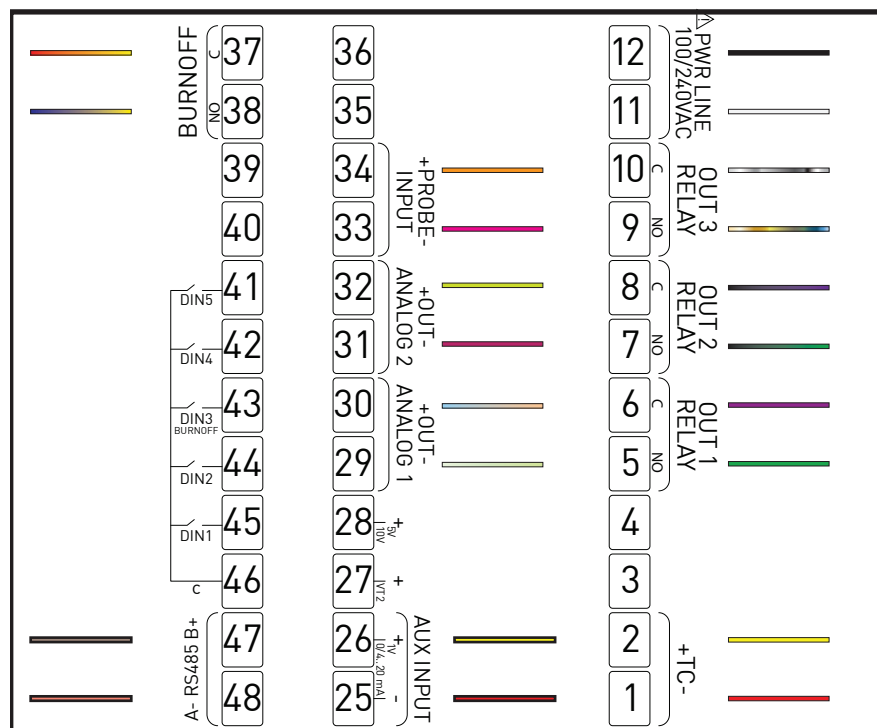
AC20 to AC50 wiring guide

</div>

This document details how to wire an AC50 in place of a previously-installed AC20.
The colors depicted in the images are for reference only and have no specific meaning.

NOTE: When installing an AC50 as a replacement for an AC20, the proportional band should be set to 1/3 the AC20 value. For example, if the AC20 was set to 30.0, set the AC50 to 10.0.

AC20 terminal function	AC20 terminal number	AC50 terminal number
Thermocouple positive	1	2
Thermocouple negative	3	1
CO input positive	5	26
CO input negative	6	25
Digital input 1	8	45
Digital input 2	9	44
Digital input 3 / BURNOFF	10	43
Digital input COMMON	11	46
Main/probe input postive	12	34
Main/probe input negative	13	33
OUT 6/ OUT 1 linear positive	16	30
OUT 6/ OUT 1 linear negative	17	29
OUT 7/ OUT 2 linear positive	18	32
OUT 7/ OUT 2 linear negative	19	31
RS485 B+	21	47
RS485 A-	22	48
OUT 1 relay C	24	6
OUT 1 relay NO	25	5
OUT 2 relay C	26	8
OUT 2 relay NO	27	7
OUT 3 relay C	28	10
OUT 3 relay NO	29	9
OUT 4 BURNOFF C	30	37
OUT 4 BURNOFF NO	31	38
POWER supply L1	32	12
POWER supply L2	33	11