

## 6.2 SFCM Modbus Map

Each panel can have a maximum of 10 subfeeds when the neutrals are monitored or a maximum of 14 subfeeds when the neutrals are not monitored. This configuration is set by the value in the Panel Type register (Reg. No. 860).

The starting addresses for the 14 subfeeds of Panel 1 are shown below in table 6.0.5. The Address Offset values in this table are explained in the following sections.

**Table 6.2.1: SFCM Subfeed Addresses (Panel 1)**

Subfeed Number	Starting Address	Address Offset
1	001	000
2	061	060
3	121	120
4	181	180
5	241	240
6	301	300
7	361	360
8	421	420
9	481	480
10	541	540
11*	601	600
12*	661	660
13*	721	720
14*	781	780

\* Subfeeds 11 to 14 are not used when the panel is set for "Subfeed with Neutrals" (Reg. 860 = 4).

The following table shows the Modbus memory map for SFCM Panel 1, Subfeed 1. For the other panels and subfeeds, add the Address Offset values shown in Table 6.0.5 and Table 6.2.1 (above) to the addresses in the table below. For example, for Subfeed 2 on Panel 2, add 2060 to the addresses in the table below.

**Note:** The neutral current registers are not used when panel is set for "Subfeed without Neutrals" (Reg. 860 = 5).

**Table 6.2.2: SFCM Modbus Register Map – Subfeed 1 of Panel 1**

Reg.	Description	Unit	Scale	Type	Details
1	Current, $\phi$ A	Amps	10	R	-
2	Current, $\phi$ B	Amps	10	R	-
3	Current, $\phi$ C	Amps	10	R	-
4	Average Current (3 Ph.)	Amps	10	R	-
5	Minimum Current, $\phi$ A	Amps	10	R	-
6	Minimum Current, $\phi$ B	Amps	10	R	-
7	Minimum Current, $\phi$ C	Amps	10	R	-
8	Maximum Current, $\phi$ A	Amps	10	R	-
9	Maximum Current, $\phi$ B	Amps	10	R	-
10	Maximum Current, $\phi$ C	Amps	10	R	-
11	KW, $\phi$ A	KW	10	R	-
12	KW, $\phi$ B	KW	10	R	-
13	KW, $\phi$ C	KW	10	R	-
14	KW, Total	KW	10	R	-
15	KVA, $\phi$ A	KVA	10	R	-
16	KVA, $\phi$ B	KVA	10	R	-
17	KVA, $\phi$ C	KVA	10	R	-
18	KVA, Total	KVA	10	R	-
19	KVAR, Total	KVAR	10	R	-
20	Load, $\phi$ A	%	1	R	-
21	Load, $\phi$ B	%	1	R	-