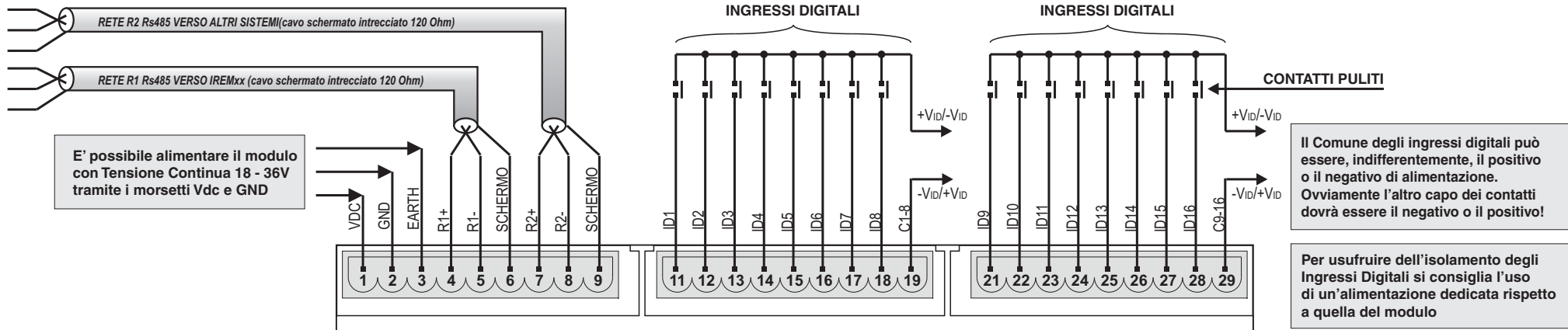
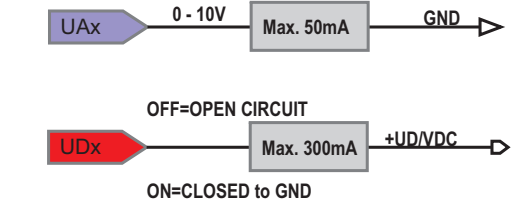
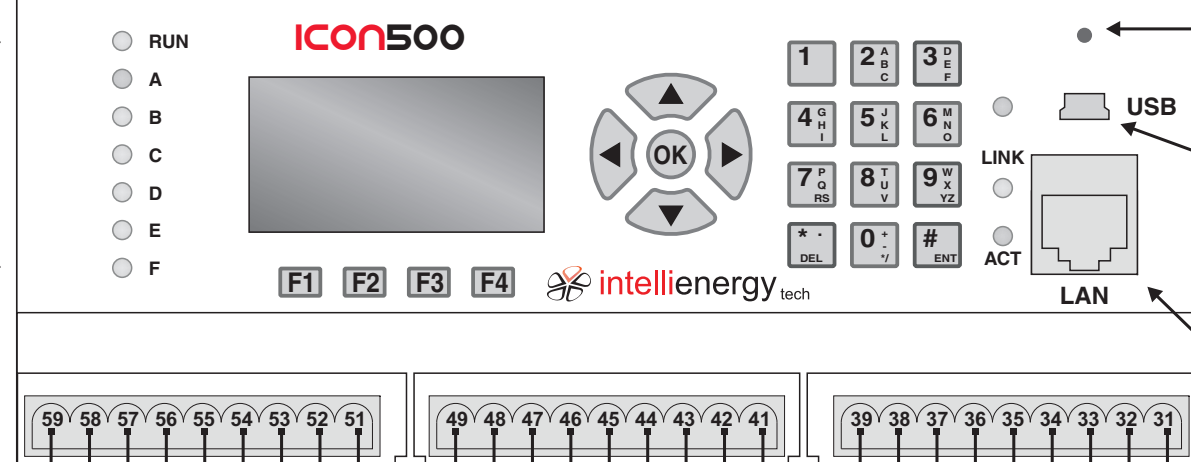


# ICON500 SCHEMA DI COLLEGAMENTO

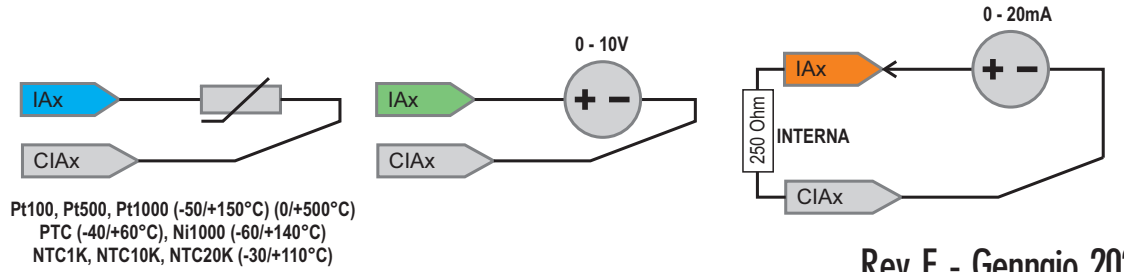
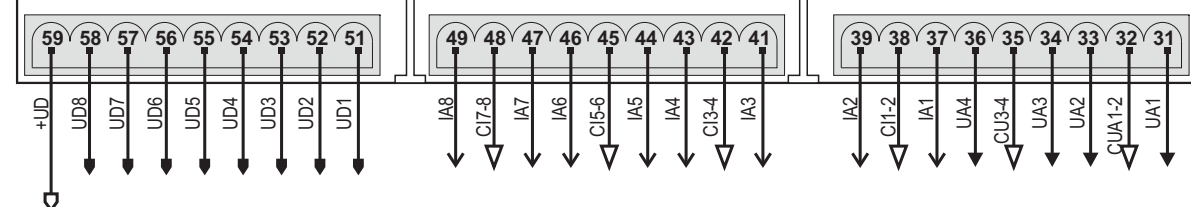
## CONTROLLORE DDC 16ID-8UD-8IA-4UA CON ETHERNET-DISPLAY-TASTIERA



RUN	Attività della periferica
R1 (A)	Comunicazione con iremXX
R2 (B)	Comunicazione sulla rete R2 (RS485)
LOC (C)	Connessione locale attiva (USB)
REM (D)	Connessione remota attiva (LAN/WAN)



**ALIMENTAZIONE DI SERVIZIO**  
+UD= TENSIONE CONTINUA  
Derivata da VDC - Multifuse 0,65A



Pt100, Pt500, Pt1000 (-50/+150°C) (0/+500°C)  
PTC (-40/+60°C), Ni1000 (-60/+140°C)  
NTC1K, NTC10K, NTC20K (-30/+110°C)



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Rev E - Gennaio 2021

# CURVE Temperatura / Resistenza Sensore (°C/Ohm)

PT100

°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm
-50	80.313	1	100,391	20	107,793	75	128,986
-45	82.295	2	100,781	21	108,182	80	130,895
-40	84.274	3	101,172	22	108,570	85	132,801
-35	86.250	4	101,562	23	108,958	90	134,705
-30	88.223	5	101,953	24	109,347	95	136,605
-25	90.193	6	102,343	25	109,734	100	138,503
-20	92.160	7	102,733	26	110,122	105	140,397
-15	94.124	8	103,123	27	110,510	110	142,289
-10	96.086	9	103,513	28	110,898	115	144,178
-9	96.478	10	103,902	29	111,285	120	146,064
-8	96.870	11	104,292	30	111,673	130	149,827
-7	97.261	12	104,682	35	113,068	150	157,319
-6	97.653	13	105,071	40	114,460	200	175,845
-5	98.044	14	105,460	45	117,470	250	194,081
-4	98.436	15	105,849	50	119,396	300	212,027
-3	98.827	16	106,238	55	121,320	350	229,683
-2	99.218	17	106,627	60	123,244	400	247,041
-1	99.609	18	107,016	65	125,159	450	264,124
0	100.000	19	107,405	70	127,074	500	280,920

PT 500

°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm
-50	401,567	1	501,984	20	538,987	75	644,929
-45	411,476	2	503,907	21	540,909	80	654,475
-40	421,370	3	505,860	22	542,851	85	664,007
-35	431,249	4	507,812	23	544,792	90	673,524
-30	441,114	5	509,763	24	546,733	95	683,026
-25	450,965	6	511,714	25	548,672	100	692,514
-20	460,801	7	513,665	26	550,612	105	701,987
-15	470,622	8	515,615	27	552,551	110	711,446
-10	480,429	9	517,564	28	554,489	115	720,891
-9	482,389	10	519,512	29	556,426	120	730,321
-8	484,348	11	521,461	30	558,363	130	749,137
-7	486,307	12	523,408	35	568,040	150	786,595
-6	488,265	13	525,355	40	577,702	200	879,226
-5	490,222	14	527,301	45	587,349	250	970,406
-4	492,179	15	529,247	50	596,982	300	1060,136
-3	494,135	16	531,192	55	606,601	350	1148,415
-2	496,091	17	533,137	60	616,205	400	1235,244
-1	498,046	18	535,081	65	625,794	450	1320,622
0	500,000	19	537,024	70	635,369	500	1404,550

PT 1000

°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm
-50	803,135	1	1003,908	20	1077,934	75	1289,859
-45	822,952	2	1007,814	21	1081,818	80	1308,951
-40	842,740	3	1011,720	22	1085,702	85	1328,014
-35	862,499	4	1015,624	23	1089,584	90	1347,047
-30	882,229	5	1019,527	24	1093,465	95	1366,052
-25	901,930	6	1023,429	25	1097,345	100	1385,028
-20	921,602	7	1027,330	26	1101,224	105	1403,975
-15	941,245	8	1031,229	27	1105,110	110	1422,893
-10	960,859	9	1035,128	28	1108,978	115	1441,781
-9	964,778	10	1039,025	29	1112,853	120	1460,641
-8	968,696	11	1042,921	30	1116,727	130	1498,274
-7	972,613	12	1046,816	35	1136,080	150	1573,191
-6	976,529	13	1050,710	40	1155,404	200	1758,452
-5	980,444	14	1054,602	45	1174,699	250	1940,813
-4	984,358	15	1058,494	50	1193,965	300	2120,272
-3	988,270	16	1062,384	55	1213,201	350	2296,831
-2	992,181	17	1066,273	60	1232,409	400	2470,488
-1	996,091	18	1070,161	65	1251,588	450	2641,245
0	1000,000	19	1074,048	70	1270,738	500	2809,100

PTC

°C	Ohm	°C	Ohm	°C	Ohm	°C	Ohm
-40	613	-10	789	20	997	50	1236
-35	640	-5	822	25	1035	55	1279
-30	668	0	855	30	1074	60	1323
-25	697	5	889	35	1113		
-20	727	10	924	40	1153		
-15	758	15	960	45	1194		

Ni 1000

°C	DIN43760	TC6374	TC5000	°C	DIN43760	TC6374	TC5000
-60	695,08	682,25	753,00	11	1061,10	1063,03	1049,32
-55	718,66	709,60	772,16	12	1066,73	1068,84	1053,87
-50	742,58	734,30	791,58	13	1072,38	1074,66	1058,43
-45	766,82	759,34	811,26	14	1078,04	1080,56	1062,99
-40	791,40	784,71	831,20	15	1083,71	1086,35	1067,57
-35	816,31	810,43	851,39	16	1089,40	1092,22	1072,16
-30	841,56	836,49	871,56	17	1095,10	1098,10	1076,75
-25	867,13	862,89	892,84	18	1100,81	1103,99	1081,36
-20	893,04	889,63	913,53	19	1106,54	1109,90	1085,98
-15	919,28	916,71	934,76	20	1112,28	1115,82	1090,61
-10	945,86	944,13	956,25	21	1118,03	1121,75	1095,25
-9	951,21	949,66	960,58	22	1123,80	1127,70	1099,90
-8	956,58	955,20	964,92	23	1129,58	1133,66	1104,56
-7	961,96	960,75	969,26	24	1135,37	1139,64	1109,23
-6	967,35	966,32	973,62	25	1141,18	1145,63	1113,91
-5	972,76	971,90	977,99	30	1170,42	1175,77	1137,46
-4	978,18	977,49	982,37	35	1199,98	1206,26	1161,28
-3	983,62	983,10	986,77	40	1229,88	1237,09	1185,36
-2	989,06	988,72	991,17	45	1260,11	1268,26	1209,69
-1	994,53	994,35	995,58	50	1290,68	1299,77	1234,28
0	1000,00	1000,00	1000,00	55	1321,57	1331,62	1259,13
1	1005,49	1005,66	1004,43	60	1352,80	1363,81	1284,24
2	1010,99	1011,34	1008,87	65	1384,36	1396,34	1309,61
3	1016,50	1017,03	1013,33	70	1416,26	1429,22	1335,26
4	1022,03	1022,73	1019,79	80	1481,04	1494,99	1387,23
5	1027,57	1028,44	1022,26	90	1547,16	1564,12	1440,32
6	1033,13	1034,17	1026,75	100	1614,60	1633,61	1494,42
7	1038,69	1039,92	1031,24	110	1683,38	1704,47	1549,55
8	1044,27	1045,67	1035,75	120	1753,48	1769,69	1605,72
9	1049,87	1051,44	1040,26	130	1824,92	1850,27	1662,92
10	1055,48	1057,23	1044,79	140	1897,68	1925,21	1721,15

NTC: B2880, B2990, B3041

°C	B2880	B2990	B3041	°C	B2880	B2990	B3041
-30	8,43457	8,53197	9,10995	13	1,49410	1,50653	1,51904
-25	6,71449	6,80978	7,19566	14	1,44320	1,45433	1,46530
-20	5,38639	5,47179	5,72967	15	1,39435	1,40623	1,41377
-15	4,35303	4,42540	4,59747	16	1,34745	1,35614	1,36435
-10	3,54298	3,60179	3,71601	17	1,30241	1,30997	1,31695
-9	3,40286	3,45902	3,56414	18	1,25915	1,26562	1,27147
-8	3,26916	3,32271	3,41942	19	1,21759	1,22301	1,22782
-7	3,14156	3,19255	3,28147	20	1,17766	1,18208	1,18592
-6	3,01974	3,06822	3,14994	21	1,13928	1,14275	1,14569
-5	2,90341	2,94944	3,02448	22	1,10238	1,10494	1,10706
-4	2,79229	2,83592	2,90479	23	1,06690	1,06859	1,06995
-3	2,68613	2,72741	2,79057	24	1,03278	1,03363	1,03429
-2	2,58466	2,62367	2,68153	25	0,99995	1,00001	1,00002
-1	2,48767	2,52446	2,57742	30	0,85340	0,85004	0,85056
0	2,39492	2,42956	2,47798	35	0,73191	0,72588	0,72418
1	2,30621	2,33876	2,38298	40	0,63066	0,62662	0,61943
2	2,22134	2,25186	2,29220	45	0,54587	0,54323	0,53217
3	2,14012	2,16869	2,20541	50	0,47454	0,46391	0,45915
4	2,06237	2,08905	2,12244	55	0,41424	0,40286	0,39775
5	1,98793	2,01278	2,04308	60	0,36304	0,35119	0,34591
6	1,91665	1,93973	1,96716	65	0,31940	0,30727	0,30196
7	1,84836	1,86974	1,89452	70	0,28203	0,26981	0,26454
8	1,78292	1,80266	1,82498	75	0,24992	0,23772	0,23255
9	1,72021	1,73837	1,75842	80	0,22222	0,21015	0,20512
10	1,66009	1,67673	1,69467	90	0,17740	0,16578	0,16109
11	1,60244	1,61762	1,63361	100	0,14334	0,13235	0,12803
12	1,54715	1,56092	1,57510	110	0,11713	0,10683	0,10287

NTC: B3136, B3390, B3528

°C	B3136	B3390	B3528	°C	B3136	B3390	B3528
-30	10,01694	12,10728	13,01808	13	1,53989	1,53710	1,61950
-25	7,80336	9,25103	9,87571	14	1,48359	1,53388	1,55350
-20	6,17993	7,19349	7,76611	15	1,42970	1,47354	1,49060
-15	4,87166	5,65191	5,85483	16	1,37808	1,41593	1,43062
-10	3,89939	4,37146	4,56937	17	1,32864	1,36093	1,37341
-9	3,73319	4,17013	4,35283	18	1,28126	1,30838	1,31884
-8	3,57519	3,97939	4,14795	19	1,23586	1,25818	1,26677
-7	3,42493	3,79621	3,95403	20	1,19234	1,21020	1,21706
-6	3,28199	3,62721	3,77041	21	1,15060	1,16434	1,16960
-5	3,14596	3,46466	3,59649	22	1,11058	1,12048	1,12427