

Gould P190 Programmer

USER'S MANUAL

SUBJECT: Description of the Gould P190 Programmer and information concerning its operation.

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PREFACE

This manual provides the user with a description of the Gould P190 Programmer with instructions for its operation. This manual should be used in conjunction with the appropriate PC reference manual which provides detailed information on programming techniques, codes, references, and specific tape functions and capabilities.

SECTION 1 provides general information about the P190 Programmer, and lists its specifications.

SECTION 2 provides screen display and keyboard descriptions.

SECTION 3 provides general tape care information.

SECTION 4 provides information about physical connections between the P190 Programmer and the various Gould PC's and interfaces.

The GLOSSARY contains definitions of words pertaining to PC's, particularly as they relate to the P190 Programmer.

Related Documents

184/384	User's Manual Programming Tapes/P190	ML-1384-000 ML-384T-USE
484	User's Manual P190/484 Reference Guide	ML-C484-USE PI-P190-001
584	User's Manual (584A) Programming Guide (584L) Programming Guide (584M) P190/584 Reference Guide	ML-584A-000 PI-584L-002 PI-584M-002 PI-P190-002
684	684 User's Manual	ML-684A-USE
884	Programming Guide Tape Loader User's Guide	PI-884A-001 PI-884A-005
984	Programming Guide System Planning and Installation	PI-984A-001 PI-984A-002
Micro 84	User's Manual Programming Guide/P190 Programmer	ML-M84A-USE PI-M84A-001
2184 Motion Controller	User's Manual	ML-2184-USE

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Modicon	184	584L
Micro 84	384	884
Modbus	484	P180
Modvue	584	P190
Modway	584M	

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SECTION 1 INTRODUCTION

1.1 INTRODUCTION

This manual will familiarize you with the layout and operation of the Gould P190 Programmer. It provides you with a basic knowledge of how the P190 works as a programming device for the Gould family of PC's, and how it interfaces with other peripheral equipment (for example, printers). You should consult the appropriate PC reference and programming manuals for detailed information concerning specific PC's, programming techniques, software tape information, and software label function definitions.

1.2 WHAT IS A P190?

The P190 is a CRT device used to program 184/384, 484, 584, 884, 984, and Micro 84 Programmable Controllers and the 2184 Motion Controller. The P190 is your primary interface with a programmable controller. It is used to enter, edit, monitor and design user programs on any of the above mentioned controllers.

The P190's tape drive allows you to load programs into the controller using software tapes, and also to record your PC programs on tape for later use or reference.

Also featured is a nine inch black and white CRT screen that displays user logic and programming information. This screen allows on-line monitoring of a user's logic programs, and off-line programming and configuration. Entire logic programs are displayed, network by network, for monitoring or editing.

In addition to the tape drive and CRT screen, the P190 Programmer features a typewriter-style keyboard and 31 fixed function control keys.

Table 1-1 provides specifications for the P190 Programmer.

Table 1-1. P190 Specifications

Physical:	
Dimensions (WxHxD):	17.5 in. x 11.0 in. x 24.0 in. (444.5 mm x 279.4 mm x 609.6 mm)
Weight:	30.0 lbs. (13.6 kg)
Environmental:	
Operating Temperature:	5 to 40°C (41 to 104°F)
Storage Temperature:	- 20 to 60°C (- 41 to 140°F)
Operating Humidity:	20 to 80% relative humidity, noncondensing
Storage Humidity:	0 to 95% relative humidity, noncondensing
Power:	
P190-212	95 to 130 VAC, 47 to 63 Hz, 100 W
P190-222	190 to 260 VAC, 47 to 63 Hz, 100 W
Fuse:	1.5 amp., Modicon No. 57-0051-000
Tape Drive:	
Capacity:	at the maximum record size (1/3 Kbyte), 96 Kbytes per tape

INTRODUCTION

The P190 is packaged in a rugged case, which is easily moved to the work site or placed in a centralized control site.

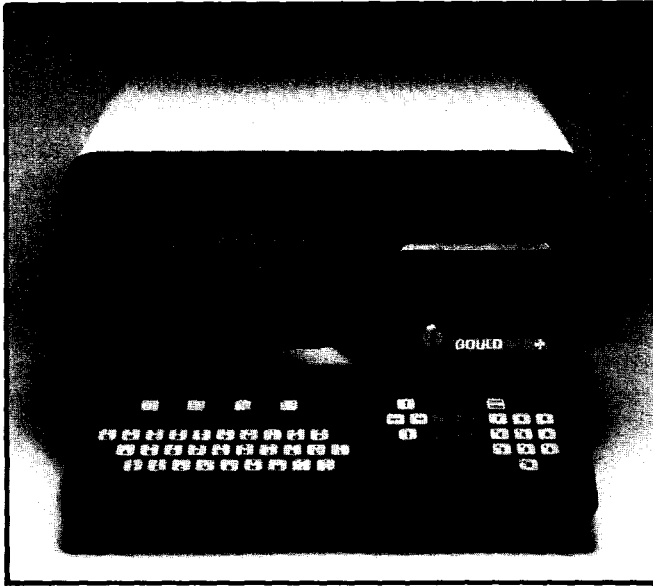


Figure 1-1. P190 Programmer — Front View

The P190 is a portable, rugged unit designed for use in harsh industrial environments. It operates in locations where electromagnetic noise, high temperatures, humidity, and mechanical shock are present.

The P190 Programmer can be used in a horizontal position (for example, on a table top), as shown in Figure 1-1, or in a vertical position (for example, standing upright on the floor) as in Figure 1-2.

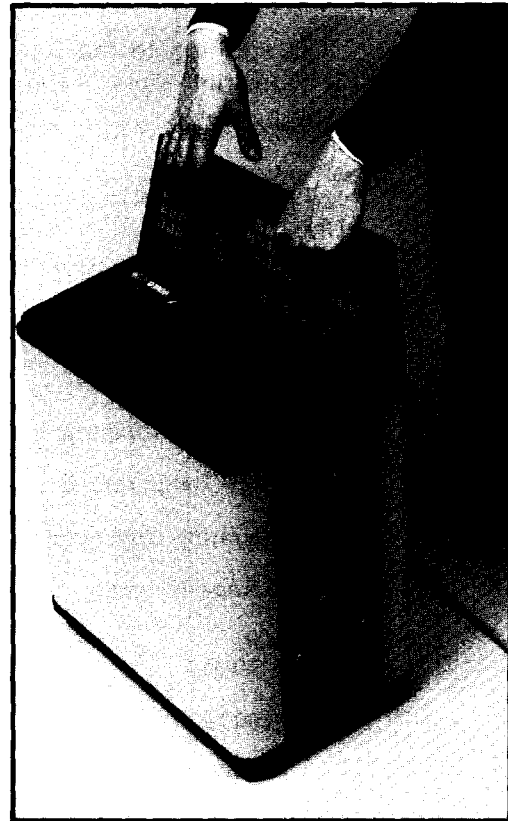


Figure 1-2. P190 Programmer — Vertical Position